

NWS NEWS

If you'd like a brochure listing all the NWS stations and frequencies, just send me a SASE and I'll send it!

MAY 1987

Matt Sittel
220 Brookfield Drive
Kingsport, TN 37663-9777
(615)239-9186

DEADLINE: the first

A LOOK AT WHAT'S NEWS FOLLOWS THE WEATHER: Here I sit typing this up on April 1st. The weather sure has been foolish. March 30th was the warmest day of the year so far, with a near-record 73°. The next morning I woke up to $\frac{1}{2}$ an inch of snow and 30°. Today it's sunny and 50°. What next?

.....AND NOW, THE NEWS. The News

John F. Combs, 1308 Willow Branch #24, Jacksonville, FL 32205
Here is a list of the NWS stations I have logged from Jacksonville:

(BT)

(mileages approximate)

162.400	KIH-26	Daytona Beach, FL	Tr	80
	WXM-58	Clewiston, FL	Tr	270
	KEC-85	Savannah, GA	Tr	120
162.475	WXJ-60	Gainesville, FL	Tr	60
	KEC-50	West Palm Beach, FL	Tr	270
	WXX-75	Waycross, GA	Tr	80
	KIG-77	Cape Hatteras, NC	Tr	500
	WXJ-23	Beaufort, SC	Tr	175
	WXX-28	Beaumont, TX	Es	735
162.550	KHB-39	Jacksonville, FL	GW	10
	KHB-29	Charleston, SC	Tr	200

All of these were received on a Regency Z30 scanner with a whip antenna. The most enjoyable logging was WXX-28 by Es during an intense opening that reached hi-band TV. (I'll bet it was! It's not every day-not every year-that Es gets up that high. Was this June 11, 1986 by any chance, John?-mcs)

Now I would like to present a mystery involving some NWS stations. I would like to know if anyone has an explanation for the following (get out your magnifying glasses everyone!-mcs)

One afternoon, during an E-skip opening that was lolling around channel 2(00), I WAS listening to lo-band skip on my scanner. I was on 35.22 MHz, listening to some pagers, when I could hear, fading up and down, the unmistakable sound of an NWS station. I listened carefully for a few minutes and heard it ID as KHB-59 in Cleveland, giving a weather forecast for that area. I called Larry Van Horn and asked him to check his scanner, and the signal was audible to him on scanners of other makes, so we're not dealing with a Regency quirk here. A few minutes later, the audio of KIH-35 in Pittsburgh faded up enough to ID!!

When and how could two different NWS stations, both broadcasting on 162.55 MHz, be audible on 35.22 MHz during a skip opening? I do not believe this to be an image, since 162.55 MHz is occupied by my local KHB-39 which was blaring away on that frequency during this entire incident. If it were some sort of weird image, certainly it would be my local that would show up as the image. Maybe some community in Ohio uses a surplus 35.22 MHz transmitter as some sort of illegal "translator" of an NWS channel? Somewhere between Cleveland and Pittsburgh? Or was this a bizarre hoax perpetrated by some pirate?

I will entertain any theories from fellow DXers on this!!
(My guess is that there is a 35.22 MHz that is running those NWS's-but both of them?? How could they do that? Or is this happening all across America? Any ideas, readers? Your guess is as good as mine-let's see some of them here in NWS NEWS!!!-mcs)

Now, as I promised last month..here's the long and short of it!

As any broadcast station is, some can be heard farther away than others. Of course, that depends on many conditions such as power output, antenna location, and surrounding terrain. Well, the NWS stations are no exception. Ever since the invention of the weatheradio, I've noticed that there are wide ranges in how far some of these signals travel. Let's look further into some of them. (You might want to get out your maps and road atlases now so you can find the exact places I'm speaking of)

For example, my local station WXX-47, has a fairly large coverage area, thanks to its 4400' MSL antenna site on nearby Holston Mountain. Now, turn to Tennessee in your atlas. At the point where Interstates 81 and 40 meet, you can hear 3 different NWS stations: WXX-47 at 60 miles; WXX-46 from Knoxville at 30 miles; and WXL-56 from

Next Page

Asheville, NC at 56 miles. All of these were heard on my portable Realistic 12-151A receiver. Look on Interstate 40 near Rockwood, TN. The Interstate 40, right above it (literally-its a long drop to the city below!!) is one of our state's finest reception areas-here, you can receive 4 stations-WXX-46 at 40 miles; WXX-48 in Chattanooga at 67 miles; and WXX-52 in Chatsworth, GA (75 miles) and WXX-61 in Cookeville (55 miles) fight it out-and occasionally I've heard WXL-56 at 110 miles-that makes five. (I've forgotten to mention the frequencies here-WXX-47 is .550, WXX-46 is .475, WXL-56 is .400, WXX-48 is .550, and WXX-52 and WXX-61, both .400. All are preceded by 162.) That's something you really have to hear! But, it's only in a 5-mile stretch-and no rest areas. (Don't get too engrossed in it, though-remember, this IS a plateau-and its 1000 feet to the bottom!!) That's abundance for you!

Lengthwise, some of the biggest I can recall are:

--WXL-60 in Roanoke, VA at 110 miles from mile 45 on I-81 near Marion, VA.
--WXL-30 in Tucson, AZ at 105 miles from just outside Phoenix, AZ on I-10.
--not to mention the previous 110-mile log of WXL-56 from Asheville, NC on I-40 near Rockwood, a 115-mile log on I-26 about 30 miles outside of Columbia, SC.
Those are my personal best under normal CW conditions.

Shortwise, there's:

--KIG-79 is pretty weak outside of 30 miles from Nashville, TN.
--WXJ-20 in Columbia, SC is weak outside of 25 miles from Columbia.

And most metro areas are about the same. (30-40 miles at best)

BUT THE ALL-TIME RECORDS GO TO:

Longest: 120 miles, WXL-47 Poplar Bluff, MO, from Jackson, TN.

Shortest: I remember WXM-56, which ironically is one of my favorite NWS stations-was barely audible at 12 miles. (Colorado Springs, CO)

Those are my best-how about yours? Send them in.

Since John Combs sent in his report, I'll choose Florida as this month's spotlight state (one of the northeastern US's favorite catches-just like Texas for me) When you send in your report, the spotlight state for that particular column will be your state that you live in (or another state, if you have a certain one you would like to see)

CITY	CALLS	FREQ.	POWER	LATITUDE	LONGITUDE	MSL	HAG
CLEWISTON	WXM-58	.400	300	26.40'	80.38'	361	350
DAYTONA BEACH	KIH-26	.400	1000	29.12'	81.00'	230	200
FORT MYERS	WXX-83	.475	1000	26.37'	81.48'	279	260
GAINESVILLE	WXJ-60	.475	1000	29.42'	82.23'	530	350
JACKSONVILLE	KHB-39	.550	1000	30.19'	81.32'	234	174
KEY WEST	WXJ-95	.400	1000	24.39'	81.32'	254	250
MELBOURNE	WXJ-70	.550	1000	28.04'	80.36'	212	192
MIAMI	KHB-34	.550	500	25.32'	80.28'	707	700
ORLANDO	KIH-63	.475	500	28.35'	81.25'	442	350
PANAMA CITY	KIG-67	.550	1000	30.08'	85.42'	207	200
PENSACOLA	KEC-86	.400	500	30.26'	87.14'	433	200
TALIAHASSEE	KIH-24	.400	1000	30.25'	84.16'	370	300
TAMPA	KHB-32	.550	1000	27.50'	82.15'	535	500
WEST PALM BEACH	KEC-50	.475	500	26.35'	80.12'	415	400

Florida has one NWS station that happens to be funded by a private interest group. That's WXM-58 in Clewiston. I wonder if WXJ-95 gives forecasts for Cuba??

OTHER NWS NOTES: The tape of NWS stations I'm planning on doing is a long way from being completed. In fact, I haven't even started it yet. It should be a 90-minute tape, but might be two 90-minute tapes. I plan for it to contain a variety of the many NWS stations I have recorded, mostly in the southern half of the U.S. Also, it will contain some interesting occurrences from my local NWS-including some severe weather happenings, and record extremes-like the coldest day ever reported here. Hopefully I can get it done in the next few months-watch this space for when I complete it. Also, to those of you who helped out the "Bumper Sticker Trading Post"; thanks for trying. If you're into collecting them, I urge you to check out "Decalomania", as listed in the March 1987 VUB; it's well worth it. Till next time: Keep one eye on the weather, and the other on your TV or stereo (it's E-skip time, you know!!) 73's, Matt

(Had to put something here-so I put this)->
NEXT TIME: Don't be ALARMED; it's just the ALARM, and hopefully something in "NWS NEWS" from you!

WTV 26
WATE TV 6
WKPT 19

ANARC UPDATE

ANARCON '87

This year's greatest gathering of DX'ers in North America is only two months away. It is the annual ANARC Convention. It will be held from July 16 to 19 at the Novotel Hotel in Mississauga, Ontario, CANADA. Mississauga is just outside Toronto, which is one of North America's greatest and cleanest cities.

The convention will start a day earlier, on the evening of July 16th with an Early Bird Reception. This allows you to meet the other early attendees and the Broadcasters.

Friday's agenda starts with a taping of programs for Radio Canada International. The radio receiver manufacturers, equipment dealers, and the clubs will have exhibits at the convention. In the afternoon, there will be two seminars. One will deal with the aspect of the hobby known as Vintage Radio Collecting. This seminar will be given by Sid Prior. The second seminar will cover Longwave DX'ing. This seminar will be given by Herb Balfour. Herb is described as a "Lawyer". The International Broadcasters Forum will take place from 3 to 5pm. Last year's forum included many of the big names of shortwave radio and this year will be no exception.

Saturday's festivities will begin with a seminar on an introduction to our hobby. This seminar is designed for the beginner. For the more experienced DX'er there will be a seminar on RTTY (Radio Teletype broadcasts) at the same time. A new feature at this year's convention will be a club forum. Hopefully WTFDA will be represented at this part of the convention. After lunch, another program for Radio Canada International will be recorded. Two concurrent seminars will follow, another beginners forum and a seminar on propagation. A question and answer session with representatives of manufacturers and distributors of radio equipment will take place from 2:30 to 4pm. This will be followed by a seminar on antennas.

Saturday evening will be the main event of the convention, the annual ANARC Banquet. The keynote speaker this year will be Bob Grove, owner of Grove Enterprises, a leading distributor of receiving equipment. Bob also publishes Monitoring Times. I'm sure there will be plenty of door prizes as well as the annual ANARC raffle.

Sunday morning, several special interest workshops will be held. At 10am, Tom Williamson will give a seminar on fifty years of DX'ing. A highlight feature of the past few conventions, the World Radio-TV Handbook Quiz, hosted by Andy Semak will follow at 11am. Following lunch the convention will conclude with the closing ceremonies and a tour of Toronto.

(Please note, the above agenda may change by the time of the convention. An updated agenda will be presented at the convention.)

For information and a registration form, please write to:

ANARCON '87
P.O. Box 232, Station Z
Toronto, Ontario M5N 2Z4
CANADA

I found a few new 800 numbers:
Maryland 1-800-331-1750
Virginia 1-800-VISIT VA

Well, that's it for this month.

73's

Steven P. Sprachman

Steven P. Sprachman

Communications • Yesterday, Today & Tomorrow
July 17-19, 1987. Mississauga, Canada

EASTERN TV-DX

John F. Combs
1308 Willow Branch #24
Jacksonville FL 32205
(904) 389-2451
DEADLINE: 1st

MAY 1987

Apparently not much ado in DX-land, since only 3 reports received this month. A little off-season E-skip skipped into the South, with openings noted 2/9, 2/17, 3/17, and 3/22. No appreciable spring tropo reported, though there is one unconfirmed report of brief FL-to-TX ducting.

This month's Rip Van Winkle Award goes to a long-inactive DXer that some of the real veterans in the club may remember. Check out the following page for a fine report from former AIPA columnist John G. Broomall!

Matt Sittel, 220 Brookfield Drive, Kingsport TN 37663			
JANUARY 1987	FEBRUARY 1987	MARCH 1987	
19 E 1713 unID-2	17 E 1800 WGBH-2	MA 734	17 E 1734 ColorVision-2
	1801 WBZ-4	MA 734	DR 1600
FEBRUARY 1987	1802 CBHT-3	NS 1116	
9 E 1905 XHY-3	YU 1358	1826 WFSB-3	CT 642
(See note)			

NOTE on XHY-3 logging: "Ad for Bimbo Pan Tostado--what a name!!" (Now, Matt, ya never know...maybe Bimbo is a fine family name in Mexico!--jfc)

"Here's my little report, but it's big compared to this time last year...is this an indication of maybe 1987 being better than 1986 for E-skip? (I sure hope so--jfc) Interestingly, saw Es 2 months in a row on the same day--amazing just to see 2 openings in those 2 months."

"As I did last year, I'll trade my TVG's to anybody who wants them. I've got two editions: Bristol-Kingsport-Johnson City and Knoxville-Chattanooga. If you don't have two editions, I'll take two of the same one. It doesn't matter if you're out of range of Es reception here. I collect them from anywhere, so don't hesitate. I hope to hear from you! 73's and best of DX to all."

John F. Combs, 1308 Willow Branch #24, Jacksonville FL 32205

MARCH 1987	
15 T 0138 t/in wk signals 7,25,26,41 + strong offset on WOFL-35...no IDs	
17 T 0220 unID-29 after WANS-30 off; pretty constant, barely there, not an image	
1505 WTAT-24 SC (216)	
18 T 0340 t/in WJKA-26 NC (335), WTAT-24 SC (216), unIDs-19,29	
22 T 0745 to 0915 Widespread, but no great distances: Tallahassee, Tampa-St. Pete, Ft. Myers/Naples/Cape Coral (240-277), WTVX-34 FL (234), WJKA-26, WTAT-24	
E 1200 unID-2 w/IDs of XH??-7, Imevision Net	
1330 unID-2 SS Game/variety show for kids	
1330 unID-3 briefly	
T 1825 WTAT-24 SC (216)	
2150 WATG-26 (SC) (215)	

Larry Van Horn reports that a colleague of his in Melbourne FL reputedly logged KLRU-18 Austin TX early in the evening of the 22nd. I have been unable to confirm this. Those Mexicans are frustrating. I wish someone would do some investigative work and obtain a good list of Mexican TV stations. Jim Pizzi tells me that Imevision in particular has added a lot of relays, some on lo-band.

I now have a 4-bay antenna for UHF on a pole in my apartment, about 30' AG, but less AAT since I'm located on the side of a small incline. I now get fairly frequent scatter from Savannah, Hardeeville, and Orlando, usually just a frame bar. I also built a couple of Quad-loops for the upcoming E-skip season. They are cut to 60 MHz and located on the walls, one facing about NW-SE, the other NE-SW. I had also constructed 80 MHz loops for TV Chs. 5/6, but found, strangely, that the 60 MHz loops seem to outperform them on those channels! WESH-2 and WJFT-5 are regulars on the loops, WSAV-3 less so. Es should easily kill them, and I have noted a few MS bursts over WESH-2. For hi-band, I still use bunny ears.

This is probably as good of an antenna set-up as I can accomplish indoors. Any better ideas? The only two things I wish I could afford right now are (1) A decent receiver and (2) another decent receiver!

"Rip Van Winkle Awakens with a Roar." In the late 50s John O. Broomall, then of Augusta, Georgia, was a Feature Columnist and Board Member of the American Ionospheric Propagation Association. Now, after 30 years of DXing inactivity in the shadow of nine Atlanta locals, John has moved to the mountains 50 miles north of downtown Atlanta and resumed full-fledged TV DXing activity.

Since last May, while trying to determine the "ideal" antenna system, John has logged a record-setting number of stations (138) with only set-top rabbit ears and a bow tie antennas. Six of his UHF tropo loggings have been verified as a record station logging even in competition with loggings using huge outside antenna arrays!

John got the Thanksgiving tropo a day early (Nov. 21) with 55 stations before the opening ended on the 22nd. New included: WJCT-7 FL 340, WYCC-20 IL 550, WFLD-32 (FOX) IL, WVTW-18 WI 620, WPMT-15 AL 350, WJTC-44 FL 315; the 29th added WTTV-4 IN 300 and WCET-48 OH 400.

December 19 brought WCJB-20 FL 350 and WWSW-66 AL 130 and 51 others as early presents. This was nothing compared to the late Christmas presents when the 26th-29th brought 75 including new: WUSF-16 FL 450, WEVV-44 IN 300, WEHT IN 310, WKMA-35 275, WKGB-53 KY 215, WKMU-21 KY 275, WTCT-27 IN 450, WICD-15 IL, WUSI-16 IL, and topped by long excellent Kansas City reception at 640 miles from KSHB-41, KYFC-50, and KZKC-62.

Troop didn't die in the new year: January 8-9 brought 59 previously logged DXers. The biggest opening was yet to come — on February 2-4 he logged 79 stations; new were WDRB-41 KY 280, WHBQ-13 TN 320, WKNO-10 TN 320, WPTY-24 TN 20, WJVT-16 TN 260, and KSNF-24 MO 580. Only 10 DX were picked up March 2 but that included John's VHF troop record, KATV-7 AR 450. DX "died" until Spring arrived, March 20, with 32 stations including WKBO-13 KY 220 and new WKXT-23 KY 225. All this was logged with inside rabbit ears/bow ties!

Going back to John's re-entry last May into TV DXing: July 27th was the first day with more than 30 stations in a day, August had 11 days of 30+, September 14, October 11, November 7, December 10, and January 2. Days before Thanksgiving with 40+ stations: August 3rd (43), August 27th (58), Sept 22nd (40), Oct 7th (44).

First time loggings of tropo stations at 250+ miles: May 16 WJWJ-16 SC 260, June 6 WVGA-44 GA 250, 26 WTXL-27 FL 250, July 28 WTGS-28 SC 250, August 1 WJCL-22 GA 265, 2 WTVW-7 IN 310, 3 WBBJ-7 TN 250, 5 WJHG-7 FL 300, 23 WSAV-3 GA 265, Sept 14 WLEX-18 KY 260, 14 WKYT-27 KY 160, 15 WBSF-1 FL 380, Oct 7 WFIE-14 IN 310.

While John wanted to lose his Atlanta locals and gain the peace of the mountains, instead he gained six Chattanooga "locals" at 75 miles. Surprisingly, while tropo overrode local on occasions, no IDable Es got through locals on 2, 3, or 5. IDed Es: May - 10 CBKMT-4 SK 1460, 11 XHD-4 Tamp. 1200, KDDB-4 TX (several more times later in summer), 17 KTVY-4 OK 730, KCNC-4 CO 1175, June 11 KSFY-4 SD 1100, KTVI-4 IA 840, KXJB-4 ND 1150; August 3 WBZ-4 MA 920, CFMC-4 Que 1100, 4 KGBT-4 TX 950, 5 CBMT-6 Que 1000, KDJO-6 SD 970.

John has a question - his tropo extends 300 to 600 miles in all directions, except the Northeast. In that direction, his record is Asheville, North Carolina, at a paltry 140 miles. Since mountains surround John in all directions, he wonders the reason for this "negative lobe in this one direction" Any ideas?

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(Thrilled to have you aboard, John! I used to have some old AIPA bulletins and
remember seeing your name. You seem to have found a great DX spot! Once you get
that "ideal" system set up, you and Seybold will compete for the Most Column
Inches Per Month Award, hi! As for your reception problems towards Asheville...
I dunno. Maybe checking a good topographical map would help. Perhaps the mount-
ains in that direction are at just the right height and angle to block your DX??
--jfc)
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* * *

**IT'S TIME
YOU FOUND OUT
THE FACTS**

FACT: Measuring DX distances on a map is a chore.

FACT: My DX DISTANCE printouts measure the distance from your QTH to over 1,000 North American TV stations.

FACT: You can obtain your own personalized printouts by sending your coordinates and \$7 U.S. to this editor!

Scott M. Hood, 7 Auburn Rd., Beverly MA 01915-2501

SEPTEMBER 1986			OCTOBER 1986			DECEMBER 1986		
1 T 2145	NYC V's strong		11 T 1940	KYW-3 PA 295	20 T 2340	WCAU-10 PA 295		
2325	WLIG-55 NY 145		1950	WCAU-10 PA 295	27 E 1450+	MUF ch. 4		
2 T 2115	NYC V's strong		M 2145	unID-10	30 E 2140	MUF ch. 4		
6 E 1830	MUF ch. 2		12 T 1825	KYW-3 PA 295	2145	WRCB-3 TN 975		
1915	MUF ch. 5		18 M 2000+	unIDs-2 all PM	2200	WSJK-2 TN 825		
11 T 2335	NYC V's in/out		23 E 2315	MUF ch. 4	2305	WREG-3 TN 1200		
15 G 2305	WSBE-36 RI		2320	WBTB-3 NC 775	<u>JANUARY 1987</u>			
"Back on the air"			2330	WRBL-3 GA 1100	3 M 1610+	Ch. 2 "heavy"		
20 T 2305	WCAU-10? PA	T	24 E 0000	WRCB-3 TN 975	E 1900+	MUF into FM		
23 G 2205	WNAC-64 (MA)		0005	WMAB-2 MS 1250	1940	WEAR-3 (AL) 1300		
"ex-WSTG"			30 T 2230	WCAU-10? PA T	4 E 0015	MUF ch. 2		
24 E 1825	MUF into FM		<u>NOVEMBER 1986</u>			E? 1035-1150	MUF ch. 2	
1850	WEDU-3 FL		28 T 0745	NYC 5,7,9	6 T 2325	NYC 9,11 in/out		
25 T 1935	WTWS-26 CT 103		2130	WCAU-10? PA T	13 E 1910+	MUF ch. 3		
28 T 1020	NYC 4,9 in/out		2130+	CT 26,30,53,61	14 E 2000+	MUF ch. 4		
1040	KYW-3 PA 295		2330	WNJM-50 o/WNDS-50	2015	WCIA-3 IL 950		
<u>OCTOBER 1986</u>			2330	WUSA-9 o/WOR-9	<u>FEBRUARY 1987</u>			
1 T 2305	WPXT-51 ME B4		(Above two on CATV)			11 T 2300	NYC 2,9; WCAU-10	
Portland "vy wk"			<u>DECEMBER 1986</u>			26 G 2215	K19AK MA 17	
8 E 1825	MUF ch. 5		1 T 2235	WAVY-10 VA 530	Boston			
1855	WYLT-3 IL 1025		2235	WVEC-13 VA 530	<u>MARCH 1987</u>			
1920	KSIV-3 MD 1300		6 G 2345	WRYT-46 MA 26	10 T 2255	WCAU-10, WOR-9		
2030	MUF ch. 2 "in/out		Norwell "vy wk"			16 T 2255	NYC-9,11 in/out	
--MS enhanced?"			14 M (PM)	unIDs 2-7	17 T 2215	NYC-7,9,11		
9 F 1935	MUF ch. 5		17 ? (PM)	unIDs 2-6	2215	WCAU-10 PA 295		

"What a weird off-season! This winter has definitely seen an unusual amount of MS. I wonder if it could have anything to do with the recent passing of Halley's Comet? The opening of the 17th of December is perplexing. I couldn't see any other stations with chs. 2,4,6, but there was definite, slow zero-beat flutter. I would immediately assume E-skip but it seemed to appear too quickly. The later uniDs on 2 and 4 seem to rule out an overdense MS burst. Any ideas?"

"As you can see by my log, the 'big holiday opening' barely tickled the airwaves in these parts. The last week in March has seen some nice weather, which at least has stirred up the airwaves a bit."

Can We Talk?

Since I have this space to fill, I want to discuss a few things about the column.

REPORT FORMAT: Submit try to submit reports in either the standard 3-column format or in the paragraphical "musing" style (like Bob Seybold). The latter is especially useful for large reports. Underline new loggings, broken-underline loggings by a new propagation (i.e., an MS log of a stn previously seen by Es). Please include distances. Estimates will do: use a compass and el cheapo map to draw concentric circles around your QTH at 100-mile intervals. (Or better yet, order my DX DISTANCE printouts, hint, hint.) Locations are only necessary for stations new to the air. Include program details only if unusual, humorous, or of particular value; e.g., Latin American loggings. And finally, if you have a very long report, and have extra time, typing it up or printing it out in VUD format will bring a smile to this editor's face, especially in heavy months!

ABOUT STALE LOGGINGS: I would really like for everyone to report every month, unless your DX is at really pitiful levels. Whereas this may not be practical for every contributor, I have to have some control over outdated loggings. So, BEGINNING WITH REPORTS SENT IN FOR THE JUNE 1st DEADLINE, LOGGINGS DATING MORE THAN 3 MONTHS PRIOR TO DEADLINE WILL BE DELETED. Example: for that June 1st deadline, any loggings prior to March 1st will be deleted, no matter how good they are. I don't think it's asking too much to report quarterly, do you?

What a good idea! At least that's what I hope you'll say when you read this.
 I would like to revive the old "TV-CCI AIDS" column that I
 did some 12 years ago. In a nutshell, the column would be a compendium of infor-
 mation useful to assist in IDing your DX: TPs used by different stns, s/on and
 s/off routines (for those stns still left that aren't AN!), names of news shows
 and local movies (i.e. Monster Chiller Horror Theater), slogans and non-IDs.....
 in short, just about any tidbits of info that might help a TV-DXer with an unID.
 However, such a column would depend on good, strong, steady support. Lemme know,
 in a card, phone call, or report, if you would like to see such a column!!!
 IT'S BEEN REAL.....73, JOHN



PHOTO-NEWS

David J. Nieman
12284 Nice Road
Akron, NY 14001-9529

MAY 1987

As promised; this months photos are from Bill Eckberg - Dixon, Illinois

Equipment: 1966 Zenith b&w tube type receiver ch 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA-4975 preamplifier on a 40 foot tower.



WTAJ-10
Altoona, PA
571 mile tropo
seen March 12, 1986



WWL-4
New Orleans, LA
813 mile E-skip
seen June 11, 1986
"over WHBF-4 at 61 miles"

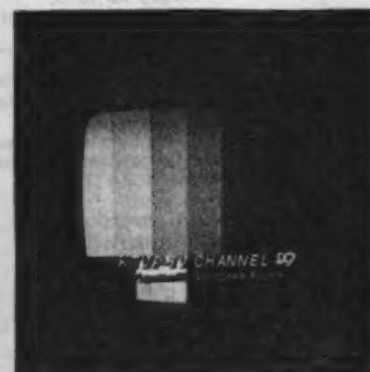


WPCB-40
Greensburg/Pittsburgh, PA
518 mile tropo
seen March 12, 1986
"religious"



WXVT-15
Greenville, MS
570 mile tropo
seen June 19, 1986
"ran 15 min before s/on"

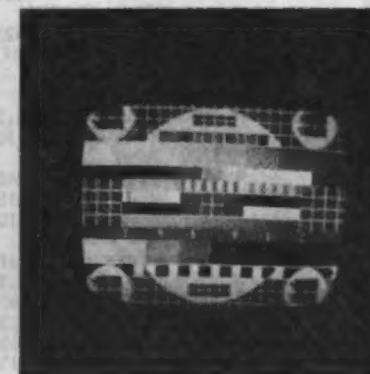
Bill's photo file continues.....



KTVP-29
Fayetteville/Springdale/Rogers
Arkansas
463 mile tropo
seen June 18, 1986
"ran 15 min before s/on"



KPRC-2
Houston, TX
890 mile MS
seen November 18, 1986
"most common MS station"



ICR-3
Santa Clara, Cuba
1350 mile E-skip
seen 1635 CST, Oct 8, 1986
"most unusual T. P."
"ICRT upper left corner"



WDCA-20
Washington, DC
669 mile tropo
seen November 25, 1986
"note abbreviated ID"

That's it for this time.
More from Bill Eckberg in the next VUD.

DAVE

WESTERN TV-DX

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

May 1987

Deadline: 6- 4-87

Highlights this month are early season E skip loggings during March as reported by Pat Dyer, and some nice tropo reported by Jeff Kadet (out to 980 miles) and by Mike Parks.

A reminder to all reporters - this is the last issue in which DX loggings older than 90 days will be published. That means that loggings older than 60 days at column deadline will not be used.

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/Off - =
ID Color Bars - @ _____ Unid Color Bars - % IHTP - ♀ Misc. Test Patterns - &
Sp - Spanish language

BN Baja California Norte JA Jalisco SO Sonora
BS Baja California Sur NL Nuevo Leon ES El Salvador
GR Guerrero PU Puebla GU Guatemala

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228-2744 (WA5IYX) CST

Equipment: 1980 model Penncrest 9" black and white, Archer V-100 and eight bay bow tie UHF array at 20 feet with rotor, Emerson 872 VCR.

August 1986	3 Es 1800 unids chs 2,3 ne	6 Es 1647 unid ch 2 brief
1 tr 0005 WGN0t 26 LA	1810 WCBdt 2 SC	1816 unids chs 2, 3
0029 WAFB 9 LA 450	WSJkt 2 TN	1821 KVVUt 5 NV
Es 1345 unids chs 2-5 w	1830 XEWO 2 JA 690	1825 KVBC 3 NV 1050
XHAQt 5 BN	1951 XHAQt 5 BN	1829 KNAZ 2 AZ 855
1350 XHPNT 2 BS 945	XHBct 3 BN	1830 KTVK 3 AZ 835
(Call Change?)	1952 XETVt 6 BN	XHAQt 5 BN
1410 XETVt 6 BN	2006 KVVUt 5 NV	(MUF 104.1-1842)
1430 KCBS 2 CA 1190	(144 MHz to CA @ 2128)	1920 XHBct 3 BN
1501 @XHBC 3 BN 1010	2159 KCBS 2 CA 1190	2000 apx fade/outs
(Exquisite CBTP)	2217 soon fade/outs	tr 2314 KALBt 5 LA
KTLAt 5 CA	4 Es 0800-0835 unids chs2,3	7 Es 0915-1020 unids chs2,3
1630 apx fade/outs	0917-1000 unids chs2,3	1027 KTCA 2 MN 1110
2 tr 0030 KLFY 10 LA 395	0928 KTVot 3 MO	1120 KBMet 3 ND
0202 WVUE 8 LA 510	0929 WTWO 2 IN 935	1159 KTVQ 2 MT 1245
WGN0t 26 LA	1050-1101 unids chs2,3	1232 KTW0 2 WY 1015
0203 KADN 15 LA 395	1100 WFMyt 2 NC	1245 KWGN 2 CO 810
0209 WNOL 38 LA 510	WESht 2 FL	1300 apx fade/outs
0314 WPMIt 15 AL	1515 unids chs 2-5	1428 unid ch 2 brief
0343 WAFB 9 LA 450	1529 WJBF 6 CA 1010	8 Es 0905-1000 unids chs2,3
0808 KLTlt 18 LA	1551 WBTv 2 NC 1105	(Spanish s & sw)
KLPBt 24 LA	(MUF 107.9-1559)	1045-1130 unids chs2,3
WLPBt 27 LA	(144 MHz - n FL @1607)	1129 KGAN 2 IA 945
KVHPt 29 LA	1656 WCIX 6 FL 1150	1259 KIDK 3 ID 1215
WLAet 32 LA	1950 XHBC 3 BN 1010	1359 KGFE 2 ND 1240
WRBt 33 LA	1952 KCBS 2 CA 1190	1429 KTVQ 2 MT 1245
KMSSt 33 LA	1959 KVBC 3 NV 1050	1544-1800 unids chs2,3
KALBt 5 LA	KNAZ 2 AZ 855	(Spanish)
3 Es 0835 unids channel 2	(MUF 98.5-2002)	1544 X--- 2 BS ?
0903 KTVKt 3 AZ	2100 KVOAt 4 AZ	(BCS...del Cabo)
KPHOt 5 AZ	XHAQt 5 BN	1845 unid channel 2
KCBSt 2 CA	KPHOt 5 AZ	1859 KMTV 3 NE 830
0917 KVOAt 4 AZ	apx fade/outs	KUSD 2 SD 920
1006 KVVUt 5 NV	5 Es 1035-1230 unids chs2,3	1929 KOTA 3 SD 1040
KVBCt 3 NV	1035 WFMyt 2 NC	1943 KQMA 2 ND 1225
1045 apx fade/outs	1229 WBBM 2 IL 1045	1945 KPRyt 4 SD
1317-1340 unids chs2-4	1230-1516 unids chs2,3	2020 apx fade/outs
(Spanish - se)	1427 KTCA 2 MN 1110	2110-2125 chs 2, 3 ne
1356 unid ch2 n or nw	1639 unids channel 2	2128 WSJK 2 TN 1010
1400-1530 unids chs2,3	1712 WBAY 2 WI 1190	2131 KIDK 3 ID 1215
1525 WESht 2 FL	(MUF 108+ -1857)	2145 apx fade/outs
1530 WPBT 2 FL 1150	2100 apx fade/outs	10 Es 1005 unids chs 2, 3
1537 WSAvt 3 GA	6 Es 1050 unid ch 2 brief	(ne?? - brief)
1548 WFMyt 2 NC	1145 unids ch 2 brief	1555-1607 unids chs2,3

Western TV DX

May 1987

Pat Dyer (continued)	18 tr 0355 (See Note # 1)	28 Es 1055 WEDUt 3 FL
10 Es 1655 XHBct 3 BN	0414 KJAC 4 TX 280	1059 WESH 2 FL 1055
1658 KCBS 2 CA 1190	0429 KLIM 51 TX 310	1100 WPBT 2 FL 1150
1703 XHAQt 5 BN	0429 KVHP 29 LA 325	1125 WCIX 6 FL 1150
1740 apx fade/outs	0430 unid ch 30 SIN	1229 WCTV 6 FL 855
1820 unids chs 2, 3	0439 unid channel 41	(MUF 108+ -1234)
1828 KGAN 2 IA 945	(KVHP-29 xltcr??)	1350 WRALt 5 NC
1828-1932 unids chs2,3	0444 KFDM 6 TX 275	1357 WBTv 3 NC 1105
(Spanish)	0643 KADNt 15 LA	WFMY 2 NC 1175
2051 KCBSt 2 CA	KLJlt 18 LA	1549 WTVN 6 OH 1130
KNBct 4 CA	KLPBt 24 LA	1600 WKYC 3 OH 1250
(MUF 106.5-2109)	WRBt 33 LA	1816 WFMY 2 NC 1175
2113 XHAQt 5 BN	Es 1020 unids ch 2 brief	1929 unid ch3 Spanish
2123 XHBct 3 BN	(Tr masking MUF)	2115 unid ch2 Spanish
2135 XETVt 6 BN	1515 unids chs 2,3 nw	soon fade/out
2206 apx fade/outs	1522 KCBS 2 CA 1190	29 Es 1015-1025 unids chs2-6
11 Es 0830 unids channel 2	1559 apx fade/outs	(Spanish)
(Much ms mixing)	1732 unids ch 2 brief	1032 XHAP 2 GR 880
0855 WDTN 2 OH 1075	1827-1928 unids chs2-4	(MUF 89.3-1036)
0859 KGAN 2 IA 945	(Spanish - west)	1131 +YSR 2 ES 1200
0919 WCCOt 4 MN	1937 XHAQt 5 BN	1136 YSU t 4 ES
0929 KTCA 2 MN 1110	1950 XHBC 3 BN 1010	1135 unids chs 2-4
0931 KDLO 3 SD 1070	(MUF 92.3-2000)	1335 WTVt 4 IN
0958 KPRyt 4 SD	2004 KTVK 3 AZ 835	1339 WSIL 3 IL 810
0959 KGFE 2 ND 1240	2015 KCBSt 2 CA	1359 WBBM 2 IL 1045
KBME 3 ND 1200	2059 apx fade/outs	1458 WTVJt 4 FL
1004 KFYKt 5 ND	20 Es 1613-1630 unid ch 2	1500 WPBT 2 FL 1150
(MUF 88.9-1007)	(E or northeast)	(MUF 89.3-1501)
1145 apx fade/outs	1710-1855 unids chs2-4	1511 WBTv 3 NC 1105
1347-1355 unid ch 2 w	1721 KGAN 2 IA 945	1528 WESH 2 FL 1055
12 Es 0840 unid ch 2 brief	1745 WFMY 2 NC 1175	WEDU 3 FL 985
ms 1000+ rates higher	(MUF 89.3-1858)	1632 WCHDt 2 SC
than 0800-0900	2117 apx fade/outs	1658 WSAV 3 GA 1050
16 Es 0835 unids chs 2, 3	21 Es 0715 WESht 2 FL	1659 WUNCT 4 NC
0929 WLNS 6 MI 1200	(MUF 107.9 and	WUND 2 NC 1360
Es?1012 unid channel 7	VOR's at 0836)	(Audio)
Es 1257 KNOP 2 NE 815	1300+ fade/outs	WKRN 2 TN 820
1355 apx fade/outs	1850 unids chs 2-4	(Video)
2107 unids channel 2	1900 KGAN 2 IA 945	(MUF 108+ -1755)
2112 WWAY 3 NC 1250	1908 KMTV 3 NE 830	2100 WRCBt 3 TN 865
WFMY 2 NC 1175	(MUF 98.5-1945)	2105 WSJK 2 TN 1010
2144 apx fade/outs	2208 apx fade/outs	unid ch 3 NC
(Tr masking MUF)	22 Es 0715 unids channel 2	2123 WKRN 2 TN 820
tr 2253 KPJC 7 LA 325	0746 WKRN 2 TN 820	2125 apx fade/outs
Es 2259 unid ch 2 brief	(MUF 109+ -0830)	30 Es 0010 unids chs 2, 3
17 tr 0016 KLFY 10 LA 395	0959 KAAL 6 MN 1035	0030 unid channel 3
0051 KALB 5 LA 385	(MUF 89.1-1209)	0710-0730 unids chs2-4
Es 1017 unids chs 2, 3	1433 WCIVt 4 SC	(Tr masking MUF)
1029 WCBVt 2 SC 1120	1446 WCBd 2 SC 1120	(MUF 105.9-0901)
1032 WBTvt 3 NC	WWAY 3 NC 1250	1200 apx fade/outs
1044 apx fade/outs	1518 WSB 2 GA 880	1252 unids chs 2-4
1140 unid ch 2 brief	(MUF 107.9-1530)	WDAFt 4 MO
1240-1335 unids ch 2	(MUF 88.9-1802)	1256 KTV0 3 MO 835
(Spanish - west)	2000 apx fade/outs	f/outs by 1500
1240 KCBSt 2 CA	23 Es 1000-1005 unids ch 2	1700 unids 2, 3 brief
1658-1720 unids ch 2	(Spotty)	1817-1823 unids ch2 nw
(Spanish -south)	1510-1815 unids chs2,3	1920-1937 unid ch 2
1817 unids ch 2 brief	(Spanish)	(Spotty)
(Spanish)	1544 XHPET 2 ?? ????	2120-2125 unids chs2-4
2050-2100 unid ch 2 Sp	(Condido Axica?)	2132-2200 unid ch 2
18 tr 0154 WAFB 9 LA 450	KCBSt 2 CA	(Spanish - west)
KLFY 10 LA 395	XHAQt 5 BN	2328 KNAZt 2 AZ
0330 KATC 3 LA 395	(MUF 94.1-2007)	2347 apx fade/outs
0337 WGN0t 26 LA	2051 apx fade/outs	(1900-2040+ loc lgtn)
0345 KALBt 5 LA	25 tr 0436 KFDM 6 TX 275	31 Es 2040-2200 unids chs2,3
	26 Es 1025-1045 unid ch 2	2050 KGFEt 2 ND
	28 Es 1055 unids chs 2, 3	2134 KQMA 2 ND 1225

Note # 1 - 8/18 @ 0355 - Tropo so strong that 88.1 at 200 mi was audible on ch 6!

Pat Dyer (continued)

Perhaps one of the most active Augusts of E skip that I've seen in my 25+ years of this. The FM total time was equal to the SUM of the Augusts of 1980-1985! So much that the Perseids were not much monitored. The 144 MHz E skip events were very brief and isolated. Tropo was pretty much normal (and still confused things by masking the E skip MUF a lot!). August 19 had a record all-time high here of 108 degrees.

September 1986

1 Es 1045-1100 unids chs2,3 (Spanish s & sw)	12 Es 1910-2020 unids chs2,3 (Spanish - se)	22 Es 0855 unids 2, 3 brief
4 Es 1920 unids channel 2 (South - brief)	13 Es 1608-1800 unids ch2 Sp 1800 TGV t 3 GU	24 Es 0910t/in unids ch 2 (Spanish -south)
5 Es 1727-1743 WCBdt 2 SC (Loc lightning)	1828 YSR 2 ES 1200	1915-1130 unids 2,3 Sp
6 Es 1135-1235 unids ch 2 (Spanish -w & s)	1940 apx fade/outs	0953 Cuba 2
1715 unids chs 2,3	2100-2130 unids ch2 Sp	1019 Cuba 3
1727 WCIVt 4 SC	14 Es 1727 unids chs 2-6	1935 unids ch 2 brief
1729 WCBd 2 SC 1120	WPBT 2 FL 1150	25 Es 0825-0915 unids chs2,3 (Spanish-Mexico)
1805 WESht 2 FL	WTVJt 4 FL	0917 XHAP 2 GR 880
1810 WPBT 2 FL	WCIxt 6 FL	1015 fade/outs
WEDut 3 FL	1806-1820 144 MHz - FL	1703 unids chs 2,3 w (Loc lightning)
WTVJt 4 FL	1928 WCBdt 2 SC	1800 XHBC 3 BN 1010
WCIxt 6 FL	1955 WBTV 3 NC 1105	1847 KCBS 2 CA 1190
(MUF 92.3-1821)	2012 WFMyt 2 NC	1915 apx fade/outs
1900 WUND 2 NC 1360	2116 WESht 2 FL	2005 unids ch 2 brief
1919 WRCBt 3 TN	2140 apx fade/outs	2105 unids ch 2 west
1931 WJXTt 4 FL	16 Es 0635-0646 unids 2, 3 e	2115 KNBct 4 CA
1934 WWAYt 3 NC	0649 WESH 2 FL 1055	2117 KCBS 2 CA 1190
1952 WBTV 3 NC 1105	0700 spotty to...	KEYt 3 CA
1956 WFMyt 2 NC	0727 fade/outs	2130 apx fade/outs
2100 apx fade/outs	1810-1820 unids 2, 3 e (Loc lightning)	28 Es 1800-1815 unids chs2,3 (Spanish -south)
7 Es 0920 unids ch 2 brief	17 Es 1636-1936+ unid ch 2 (Spanish -south)	29 Es 1817-1855 unids 2-5 Sp
1150 unids ch 2 brief	(Loc lightning)	1850 YSR t 2 ES
ms 2116:37 KGAN 2 IA 945	21 Es 1540-1555+ unids ch 2	YSU t 4 ES
8 ms (morning rates large)	(Spanish s & se)	(MUF 93.7-1901)
		1920-2125 unids chs2-6

Hardly a normal September with all the E skip. Considering the abnormal August, it wasn't too unexpected.

The 144 MHz E skip conveniently occurred during the ARRL September VHF Contest. Some at first actually mistook it for tropo which was already somewhat above normal along the immediate gulf coast areas.

The only thing "normal" about the September E skip was, like most years, the paths to Mexico and Central America as well as across the southern-tier states predominated here.

October 1986

5 Es 1532-1540 unids ch 2 (Spanish -south)	8 Es 1239 WCBdt 2 SC	9 Es 1739 unids chs 2,3 ne
1710 unid ch 2 brief	1258 WBTV 3 NC 1105	1743 WTAET 4 PA
6 Es 1715 unids chs 2-4	1259 WFMyt 2 NC 1175	1745 KDKA 2 PA 1280
TGV t 3 GU	1403 WMAR 2 MD 1410	WSAZ 3 WV 1100
YSU t 4 ES	1414 WDIVt 5 WV	1747 WDIVt 5 WV
1720 YSR 2 ES 1200	(MUF 88.9-1417)	(MUF 106.1-1929)
(MUF 88.8 MHz)	1425 KDKA 2 PA 1280	1957 WCBd 2 SC 1120
1840 apx fade/outs	1428 WSAZ 3 WV 1100	WCIVt 4 SC
8 Es 0915 unids channel 2 (Much ms mixing)	WTAET 4 PA	1959 WSAV 3 GA 1050
0933 Cuba t chs 2, 3	1459 WSJkt 2 TN	2035 WWAY 3 NC 1250
0935 Cuba t 6	WDINT 2 OH	2115 apx fade/outs
1000 WPBT 2 FL 1150	1523 WTAR 3 VA 1375	13 ms 0413:42 KQTV 2 MO 750
1003 WTVJt 4 FL	1557 apx fade/outs	Es 1528-1537 unids chs2,3
1014 WCIx 6 FL 1150	1638 WESht 2 FL	1529 WCBd 2 SC 1120
1028 WEDU 3 FL 985	1651 WTAET 4 PA	1618 unids ch 2 brief
1051 WCPXt 6 FL	(MUF 89.7-1653)	1741 unids chs 2,3 (Spanish -south)
1059 WESH 2 FL 1055	1654 WBTV 3 NC 1105	Cuba t 3
1106 WJXTt 4 FL	1657 KDKA 2 PA 1280	1750 Cuba t 3
1109 WUFTt 5 FL	1704 WFMyt 2 NC 1175	1830 WPBT 2 FL 1150
(MUF 96.5-1150)	WSJkt 2 TN	1842 WEDut 3 FL
1239 WWAYt 3 NC	1729 WPSX 3 PA 1375	1923 WPSXt 3 PA
	(MUF 104.1-1853)	(MUF 92.3-1932)
	2045-2115 unids 2,3 Sp	1943 KDKAt 2 PA (MUF 89.3-2015)

Pat Dyer (continued)

13 Es 2030 apx fade/outs	14 Es 1530 KIDK 3 ID 1215	15 Es 2157-2215 WESht 2 FL
14 Es 0755-0913 unids chs2,3 (Spotty)	1543 KCWct 4 WY	16 1602 Solar flare noise channels 2-4
0828 WPBT 2 FL 1150	(MUF 94.9-1550)	22 Es 1210-1220 unids ch 2 (Spanish -south)
0913-1014 unids 2,3 Sp	1600 KTWO 2 WY 1015	25 Es 0945 unids channel 2
1024 KEYt 3 CA 1270	1629 KTVQ 2 MT 1245	0955 WBTVt 3 NC
1028 KCBS 2 CA 1190	f/outs by 1705	1023 WCIVt 4 SC
1120-1230 unids ch2 Sp	1732 unids channel 2	1030 WWAY 3 NC 1250
1424 unids chs 2, 3 w	1758 WFMyt 2 NC 1175	1050 WCBd 2 SC 1120
1436 KUTV 2 UT 1080	1800 WBTVt 3 NC	1150-1400 unids ch 2 (Spotty)
KTVxt 4 UT	1819 WSJkt 2 TN	1309 WFMyt 2 NC
1447 KSL t 5 UT	1831 WCBdt 2 SC	1437 apx fade/outs
(MUF 88.9-1455)	(MUF 107.9-1930)	
	2100 apx fade/outs	
	15 Es 1010-1015 unids ch 2	

Well, the trend continued with an abnormally high incidence of E skip for the month of October. The FM minutes were close to three times any other October in my 17 years of records there!

While Mexico and Central America constituted a lot of the openings, the more northerly US states showed up as well. One has to wonder when (or if) the "summer" E skip season ended.

A large magnetic storm struck the mid afternoon and early evening of October 13, giving 50 MHz F2 paths to Hawaii from here (and E skip linkage then into Florida). However, nothing of an F2 nature was noted on the TV during the event.

November 1986

4 Es 1033 unids channel 2	6 Es 0917 WSB 2 GA 880	17 tr 1058 KALBt 5 LA
1036 WCBd 2 SC 1120	0928 WWAY 3 NC 1250	1059 KADN 15 LA 395
1100 WWAY 3 NC 1250	0957 WCBd 2 SC 1120	KVHpt 29 LA
1200 WCIVt 4 SC	(Audio)	KLAXt 31 LA
1302 WFMyt 2 NC	WSJkt 2 TN	KITU 34 TX 275
1440 apx fade/outs	(Video)	1104 KLTLt 18 LA
2020 unid ch 2 ne	0959 WCIVt 4 SC	WAPTt 16 MS
2023 WJBK 2 MI 1225	1110 WESH 2 FL 1055	2230 KLTLt 18 LA
2033 unids chs 2, 3	1145 WTVJt 4 FL	WAPTt 16 MS
2054 WBBM 2 IL 1045	WPBT 2 FL 1150	18 tr 0915 KLTLt 18 LA
soon fade/outs	1155 WEDut 3 FL	unid channel 46
5 Es 1255-1315 unids ch 2	1216 apx fade/outs	25 Es 2000 unid ch 2 brief
6 Es 0915 unids chs 2, 3	7 Es 0818 unids ch 2 brief	30 Es 1855-1905 unids ch 2 (Spanish -south)
	17 tr 0429 KFDM 6 TX 275	

The E skip finally became more "normal" for the first time in many months. Except for election night (November 4) what there was, again, was mostly to the southern states and Mexico, etc.

My first awareness of the November "super tropo" was reading about it in the VUD a few months later! I couldn't believe that too much of it had penetrated this far south into the state or I'd have noticed the CCI (I do usually keep the antennas aimed to the northeast if nothing else is going on in any other direction).

Thus seeing our channel 12 having been logged in Illinois was a shock! Their antenna is some 25 miles southeast of here and almost 1500 feet above average terrain. Thus the duct appears to have either been elevated at this end or had a very sharp boundary over that distance difference (or both).

December 1986

2 Es 1605 WSJkt 2 TN	6 Es 1913 KIDKt 3 ID	15 Es 1611 WMAR 2 MD 1410
1637 WFMyt 2 NC 1175	1930 apx fade/outs	1627 KGAN 2 IA 945
1639 WTAR 3 VA 1375	7 Es 1430-1600 unids chs2-4 (Spanish -south)	1642-1728 unids chs2,3
1640 WRC t 4 DC	(MUF 98.6-1614)	1701 WJMN 3 MI 1280
1647 WBTV 3 NC 1105	1640-1930 unids 2-4 Sp	16 Es 1055 WFMyt 2 NC
(MUF 92.5-1658)	12 ms 0545:35 KNOP 2 NE 815	WBTVt 3 NC
1712 WWAY 3 NC 1250	13 ms 0404:33 WAGA 5 GA 880	1059 WSJkt 2 TN 1010
1718 WCIVt 4 SC	:35 WCYB 5 VA 1065	1100 WWSB 2 GA 880
1723 WCBdt 2 SC	0539:48 KQTV 2 MO 750	1125 WRCBt 3 TN
1737 apx fade/outs	0540:50 WOI 5 IA 880	1256 apx fade/outs
5 Es 1709 unids channel 2	0548 local ch 4 s/on	1646 unids channel 2
1712-15 WFWO 2 IN 935	0625 local ch 5 s/on	1704 WESH 2 FL 1055
1804 unids ch 2 brief	Es 2018 unids ch 2 brief	1735 WEDut 3 FL
6 Es 1812 unids chs 2, 3	14 ms 0516:30 WMAQ 5 IL 1045	1758 WPBT 2 FL 1055
(Northwest & w)	0555:40 WOI 5 IA 880	1814 apx fade/outs
1817 KTWO 2 WY 1015	0615 local ch 4 s/on	18 Es 1610-1620 WSJkt 2 TN
1904 KUTVt 2 UT	15 Es 1609 unids channel 2	1750 WCBdt 2 SC brief
		1930-1943 unids ch 2

Pat Dyer (continued)

21 Es	0540	unids channel 2	1844	KUSDt	2 SD	1832	KUSD	2 SD	920
ms	0539:58	WCYB 5 VA 1065	1920	KQIV	2 MO 750				soon fade/outs
Es	0544	WFMY 2 NC 1175	1943	KCBS	2 CA 1190	28 Es	1755	unids ch 2 Sp	
	0546	WBTVt 3 NC	1944	KIVK	3 AZ 835		1810	YSR t	2 ES
	0604	local ch 4 s/on	1951	KPHOt	5 AZ			TGV t	3 GU
ms	0605:03	KATC 3 LA 395	1954	KVOAt	4 AZ			YSU t	4 ES
	0636	local ch 5 s/on	1957	KNAZ	2 AZ 855			YSLAt	6 ES
Es	0637	apx fade/outs	2035	apx fade/outs			1825	soon fade/outs	
	1440	WESht 2 FL brief	26 Es	1605-1700	unids chs2,3	29 Es	1650	unids channel 2	
	1816-1906	WESht 2 FL		(Spanish - sw)			1733	TGV t	3 GU
25 Es	1217t/in	unids 2, 3 n	1700	XHP	3 PU 735		1812	YSR	2 ES 1200
	1221	KDLOt 3 SD	1801	fade/outs			1900	apx fade/outs	
	1229	KUSD 2 SD 920	1843	XHAQt	5 BN	31 Es	1150t/in	unids chs 2-4	
	1251	KNOpt 2 NE		(MUF 92.5-1846)				WCIVt	4 SC
	1329	apx fade/outs	1857	XHBC	3 BN 1010		1157	WRCBt	3 TN
	1511-1519	unids ch 2	1917	KCBS	2 CA 1190		1159	WCBD	2 SC 1120
	1630	unids channel 2	1919	KNBCt	4 CA		1229	WDIQ	2 AL 730
	1717	WTVt 4 IN	1946-2130?	2-4 Spanish			1237	apx fade/outs	
	WCiAt	3 IL	27 Es	1706	unids chs 2, 3		1755	unids chs 2, 3	
	1724	WTWO 2 IN 935	1714	KVBC	3 NV 1050			(Spanish-s & se)	
	(MUF 94.7-1737)			KVVUt	5 NV		1804	XHAP	2 GR 880
	1746	WRTV 6 IN 995		(MUF 94.1-1716)			1840	lull	
	1749	KTVIt 2 MO		1722-1745	lull		1904	unids chs 2, 3 w	
	WSILt	3 IL	1745	KNOpt	2 NE			KCBS	2 CA 1190
	1754	KYTVt 3 MO	1748	KQIVt	2 MO		1906	XHAQt	5 BN
	1816	KSNC 2 KS 615	1759	KGAN	2 IA 945		1911	XHBCt	3 BN
	1817	KLNet 3 NE	1802	KTVot	3 MO		1925	apx fade/outs	

A rather healthy December E skip season considering the November "sag" versus October, etc.

The Geminids (and Ursids) were productive, with three new channel 5's caught that way (though two were also prior E skip loggings) - as well as channel 3 from Lafayette, Louisiana at a close 395 miles!

Having the shower peaks coincide with the only two mornings (Saturday and Sunday) that our local channel 5 goes off helped a whole lot!

The early evening December 25 E skip had 50 MHz skip down to about 349 miles from Paris, Texas.

Now for the really B-A-D news here. In the midst of composing this December report, the March 12 newspaper arrived with an article about the fourteen applicants for a 100 kW channel 2 for Fredericksburg, Texas. It appears that they will be trying to "rim shot" the Austin-San Antonio market, so it's likely that their target choice for a transmitter location may be as close as 30 miles from here - almost due north!

The inevitable presence now of a local channel 2 is not going to help those of us in the area who also operate on 50 MHz (in my case, since December of 1963).

While some sort of a VCR was contemplated down the line to catch the wondrous dynamics of the E skip events, this development provided an instant impetus - in order that the most could be captured before it would be forever denied us here.

An Emerson model 872 was obtained. Only the test of time will show if its varactor tuner will be up to it alone, or if I'll have to run direct audio/video taps from the black and white TV set (and thus be able to change channels while its recording).

January 1987

2 Es 1200t/in unids ch 2 ne	Es 1725 WESht 2 FL	28 Es 2030 unids chs 2, 3
1207 unid channel 3	1732 WUFTt 5 FL	2034 KNAZ 2 AZ 855
1300 apx fade/outs	1743 WEDUt 3 FL	2035 XHAQt 5 BN
3 ms 1200 ch 2 -rates high	1835 apx fade/outs	2105 KTVKt 3 AZ
w/ much overlap	19 Es 1608 unids chs 2, 3	XHBct 3 BN
Es 2241-0000 unids 2,3 ne	1609 WDIN 2 OH 1075	2116 KCBS 2 CA 1190
4 Es 0000-0025 unids 2,3 ne	1610 unid channel 4	KNBCt 4 CA
6 tr 0150 WGN0t 26 LA	1624 apx fade/outs	2150 apx fade/outs
0153 KADNt 15 LA	20 Es 2055-2100 unids chs2,3	29 Es 1925-2055 2, 3 n & ne
0224 KVHP 29 LA 325	(North or ne)	2032 WKZot 3 MI

Not an overwhelming amount of E skip this month, but things were picking up by the end of it. No high temperature days like in 1986, so no tropo ducting beyond Louisiana.

February 1987

2 Es 2012-2030	unid ch 2 s	3 Es 0815-0820	unids ch 2	3 Es 1820	KCBS 2 CA 1190
2100	unid ch 2 brief	1810	unids channel 2	1847	KEYTt 3 CA
		1815	KNAZt 2 AZ	1852	unid ch 2 Sp w

3 Es 1943	XHBCt 3 BN	12 Es 1826	TGV t 3 GU	17 Es 1744	KVBC 3 NV 1050
1957	XHAQt 5 BN	1851	YSU t 4 ES	1745	YSR 2 ES 1200
2022	KNBCt 4 CA	1852	YSLat 6 ES	1752	YSU t 4 ES
2130	apx fade/outs		(MUF 89.3-1908)	1827	YSLat 6 ES
4 tr 0410	WGN0t 26 LA	1956	apx fade/outs		(MUF 94.5-1831)
Es 1510-1715	unids ch 2	13 tr 0040	KMTt 12 TX	1855-1955	unids 2,3 Sp
	(Spanish - sw)	Es 2115	KUTVt 2 UT		spotty to 2055
5 Es 2220	unids ch 2 west	2124	KTVxt 4 UT	2110	apx fade/outs
2228	KCBS 2 CA 1190	2135	apx fade/outs	20 Es 1955-2110	unids chs2-4
2245	KEYTt 3 CA	14 Es 1738	unids chs 2, 3		(Spanish-se,s,sw)
2257	soon fade/outs	1745	WESht 2 FL	21 Es 1848-1900	unids ch 2
7 Es 1845-1930	unids 2-4 Sp	1753	WFMYt 2 NC	1900-1945	unids chs2-4
9 Es 1725-1800	unids chs2,3	1757	WCIVt 4 SC	1934	KNOpt 2 NE
1800	WESht 2 FL	1758	WEDU 3 FL 985	1947	KPRYt 4 SD
1828	WPBT 2 FL 1150	1759	WCBD 2 SC 1120	1959	KOTA 3 SD 1050
1841	WEDUt 3 FL	1855	KIVI 6 ID 1380	2007	KTW0t 2 WY
1843	KUTV 2 UT 1080		(MUF 107.9-1856)	2023	KWGN 2 CO 810
1929	KNAZ 2 AZ 855	1929	KUTV 2 UT 1080	2028	KVBC 3 NV 1050
	KVVut 5 NV	2017	apx fade/outs	2048	XHAQt 5 BN
1954	XHAQt 5 BN	15 Es 1606-1605	unids ch 2 w	2059	KVOAt 4 AZ
	(MUF 98.7-2012)	1720	unid channel 2		KTVK 3 AZ 835
2028	KVBC 3 NV 1050	1803-1855	unids 2-5 ne	2100	XEIVt 6 BN
2030	KCBSt 2 TN	1811	WFMYt 2 NC	2102	KNMZ 2 NM 600
	KNBCt 4 CA	1824	WBTvt 3 NC		KNAZt 2 AZ
2057	XHBCt 3 BN	1832	WRCBt 3 TN	2107	unid channel 5
2145	apx fade/outs	1840	WCBDt 2 SC	2149	apx fade/outs
10 Es 1650-1715	unids 2, 3 w	1842	WCIVt 4 SC	22 Es 1020	unid 2 w brief
1715	XHPDt 2 SO 895	1858	WDLO 3 SD 1070	1815	WCBDt 2 SC
1730	KVVut 5 NV		(MUF 89.3-1900)	1821	WCIVt 4 SC
1732	KVBC 3 NV 1050	1916	KQIVt 2 MO	1835	WBTvt 3 NC
1742	XHBCt 3 BN	1945	KTVot 3 MO	1840	WFMYt 2 NC
1751	KCBS 2 CA 1190	1950	KCBSt 2 CA		(MUF 107.9-1907)
1808	KNBCt 4 CA	1951	KNBCt 4 CA	1959	WRCB 3 TN 865
	KTLAt 5 CA	2009	KNAZt 2 AZ	2000	WSJK 2 TN 1010
1818	XHAQt 5 BN	2048	apx fade/outs	2014	KCBS 2 CA 1190
	(MUF 101.5-1819)	2048	unid 2 w brief	2017	KEYTt 3 CA
1858-1937	unids 2, 3 w	16 Es 1922	unid 2 w brief		KNBCt 4 CA
1937	KEYTt 3 CA	17 Es 1629	XHBC 3 BN 1010	2028	XHAQt 5 BN
11 Es 1920-2015	unids 2,3 se		XHAQt 5 BN		(MUF 106.5-2054)
12 Es 1817	unids 2, 3 Sp sw	1640	XETVt 5 BN	2131	unids chs 2, 3
1825	YSR 2 ES 1200		(MUF 94.1-1645)	2144	apx fade/outs
		1650	KVVut 5 NV		

If one considers November-February as the "winter E skip season", then this month would have to have been its peak (with some six hours worth of it in the FM band).

A few days produced simultaneous openings to both the east and west coasts. Again, a large share of it went down into Mexico and Central America.

In some respects, this month was a lot like the high levels of six months ago - August. Though there were several warm days in February, nothing outstanding in tropo came out of it here.

March 1987

2 ms 1300	(Rates up)	8 Es 2119	KTVKt 3 AZ	22 Es 0925	unids chs 2, 3
Es 2010	unids ch 2 south		XHAQt 5 BN	0943	(Spanish-s & se)
2021-2040	chs 2, 3 nw?	2121	KCBSt 3 CA		Cuba t 3
6 Es 1752	unids channel 2	2150	apx fade/outs	1023	(MUF 89.3-1006)
1754	WTVJt 4 FL	20 tr 0444	KFDM 6 TX 275	1112	YSU t 4 ES
1759	WPBT 2 FL 1150	0510	WGN0t 26 LA	1115-1245	2, 3 Mexico
1843	WEDUt 3 FL		KITUt 34 TX	1320	WPBT 2 FL 1150
1900	Cuba t 3	0920	KPLCt 7 LA	1417	WESht 2 FL
	WESH 2 FL 1055	2331	XEPht 2 NL		soon fade/outs
1955	spotty to		XHX t 10 NL	1712	WPBT 2 FL brief
2027	apx fade/outs		XET t 6 NL	1817	WESht 2 FL
7 Es 1210	KVBCt 3 NV	21 tr 0303	KFDM 6 TX 275		1820-1915 unids chs2,3
1325	KCBSt 2 CA	Es 1805-1856	unids ch 2		(Spanish)
1334	KTVKt 3 AZ		(Spotty)		1920-1945 unids chs5,6
	spotty to	1836	WESht 2 FL		2018 apx fade/outs
1423	fade/outs	1838	WPBTt 2 FL	27 ms 0900	(Morning rates up)
8 Es 2055	unids chs 2, 3 s	22 tr 0310	KFDM 6 TX	28 tr 0634	KTRN 9 TX 265

Pat Dyer (continued)

Not too bad an Es month, considering that statistically it's almost always been the worst of the year!

At least the March 22 events let me get a bit of El Salvador on tape - though it sure looks like a direct feed video from the 9 inch set will probably need to be improvised for the best results

Hardly any tropo worthy of March this time. In fact, March 31 had a record low of 31 degrees, and it was also the record late date for any freeze here! When it has been getting warm (like into the 70's later that very same day), the humidities have been in the 20% or lower range. 73, Pat, WASIYX

Jeff Kadet, Box 20, Macomb, IL 61455

CST

Equipment: See January 1987 Western TV-DX.

<u>January 1987</u>				6 tr 0120	KTVT	11 TX	640	5 tr 0431	WPTT	22 PA	550
5 tr 0800	WBMG	42 AL	575			(Over KPLR-11)		13 tr 0844	WFTS	28 FL	980
2200	OKC 14,34,43	510		0129	KRRT	35 TX	875	1000	WTJP	60 AL	525
2355	KXTX	39 TX	640	15 tr 0130	WPGH	53 PA	550				
	KTXA	21 TX	640	0131	=WPIT	22 PA	550	<u>March 1987</u>			
6 tr 0001	=KTAJ	16 MO	225					20 tr 1816	WCCU	27 IL	125
0002	=KTXA	21 TX	640								
	(Then ID CB TP)			<u>February 1987</u>					(Testing)		
				5 tr 0400	WPGH	53 PA	550				

Not much DX so far this year, but there was one opening into deep Texas with KRRT-35 and another opening down into Florida with WFTS-28.

Congrats to Bill Draeb on seeing WIUM-22. Also sorry to see Jim Pizzi is leaving his great New Mexico DX location. Congrats to Jim on all his fine catches.

Also glad to hear that both Ralph Strobel and Nate Ely have new houses they like. Special thanks to Ye Editor for locating the elusive Cerro del Zamorano, Queretaro on a map. I doubt if KTAJ-16 is on full power as they were very weak. Their sign/off was only about a minute after WTJR's. No news yet on the promised video adapter for the Icom R-7000.

According to CHANNELS magazine, the go-go days of new independent UHF stations is now over, and according to FORBES, Home Shopping Club is in trouble due to a 15-20% product return rate by its customers plus they've greatly overextended themselves by buying so many UHF stations. Add to this the trouble that TV preachers are having \$\$\$wise, plus apparent failure (so far) of LPTV, and the UHF stations congestion situation looks pretty good for the foreseeable future. Station total now at 840. 73

Michael Parks, Route 1, Box 103, Amery, WI 54001

CST

Equipment: See February 1987 Western TV-DX.

January 1987				4 tr 2240	WNIT	34 IN	397	5 tr 0306	WEHSt	60 IL	
8 tr	0026	KDEB	27 MO	568	WSBT	22 IN	397	0502	@WIFR	23 IL	269
	0027	KSNF	16 MO	586	WHME	46 IN	397	0511	WISht	8 IL	
	0030	KSPR	33 MO	568	2248	WCGV	24 WI	272	0514	WKARE	23 MI
13 tr	2323	W57AR	57 WI	139	5 tr 0004	WTVO	17 IL	269		WUHQ	41 MI
	(Sayner	WSAW- 7)				WVTV	18 WI	272	0517	@WCGV	24 IL
		W16AC	16 WI	156	0006	WFLD	32 IL	337	0518	@WNIT	34 IN
	(Land O'Lakes SelectIV)					%WCIU	26 IL	337	0519	@WMI	17 MI
14 tr	0033	WLUK	11 WI	218	0055	%WFWrt	50 IL		0526	@WLUK	11 WI
		(Over KARE-11)				(Black square in center of CB)			0540	@WVTV	18 WI
31 tr	0100	K22AC	22 MN	113					0543	@WFIyt	20 IN
	(Brainerd	KSTP- 5)			0120	WHMB	40 IN	490		(Too wk to read)	
		K26AC	26 MN	188	0121	WXIN	59 IN	497	0545	@WCIU	26 IL
	(Bemidji	SelectIV)			0139	%KDSM	17 IA	272	0548	WAOW	9 WI
		0105	K20AC	20 MN	155	WHO	13 IA	272	0602	WPNE	38 WI
	(Wadena	KSTP- 5)			0306	WCFC	38 IL	337	0603	K41AD	41 IA
						WGB0	66 IL	337		(Lansing	KYIN-24)
						W64AU	64 WI	157		K14AF	14 IA
February 1987					(Adams	SelectIV)			(Decorah	KYIN-24)	
4 tr	2240	WNDU	16 IN	397							

I hope conditions aren't as dead elsewhere as they are here. It's been two months since February 5 and there's been absolutely no DX. La Crosse UHF's, which are usually watchable, have been "barely there" for the last three to four weeks! Can't wait for the season to start! 73, Mike

TV DX THIRTY YEARS AGO

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183
Reader comments appreciated!

MAY 6, 1957 Vol 4 Number 5 - The top of the nine-page mimeographed AIPA Bulletin had an "AIPA TV DX bullseye test pattern" followed by the slogan "AIPA Leads The Way." Newly re-elected president, Robert Seybold, in his front page editorial said DXers should look for these new stations in upcoming Es season: KTVI-2 MO, KVTI-2 NM, KDIX-2 NM, KOTI-2 OR, KTW-2 WY, KTCA-2 MN, KPIC-4 OR, KNAC-5 AR, WRAL-5 NC, WCYB-5, CKMI-5 Que, KAVE-6 NM, CFCL-6 Ont., and KTVC-6 KS. Members requested to fill in an enclosed Equipment Compilation sheet to be used in future articles on the AIPA DXer and his equipment. Norm Ernt, Don Middleton, and Sam Brooks are renewing; William Grant (MA) is a new member.

TECH NOTES - MS HINTS (King Schafer) - Since MS is weak, separate high and low band yagis are recommended with an antenna-mounted booster. Generally a cheap antenna at 50 ft is better than a great antenna at 30 ft. Point antenna in direction of your best tropo on a dead channel thought MS may come from another direction. Turn antenna near a weak fringe station as a 'kicker'; this will also help in adjusting fine tuning. Scatter may vary from 100 to 1200 miles. Mornings and before/after Es is frequently best time.

FCC NEWS (Art Collins, re-elected VP) - The military has asked President Eisenhower to turn over ch 2-6 frequencies to it. ABC-TV is transmitting vertical ID test signals in corners of screen. WDAU-22 PA and WBUF-17 NY to one megawatt. KTBC-7 TX with new 1137' tower; WBZ-4 MA now has highest tower in New England—1,349'. WNYT-29 NY set for August 1. Tornado blew down tower of KVS0-12 OK. Calls assigned—WLWI-13 IN (on in September), WANE-15 IN, and WEEQ-35 IL. KSWs-8 NM operating from world's tallest structure: 1610'.

In July a rocket from NM will spew gas into the air 70 miles high. A mass of electrified particles should reflect TV/radar waves in an attempt to revolutionize communications. This should benefit military—and DXers. KFAR-2 AK will test for AIPA. In Hawaii KMAU-3 and KGMB SO at 0900; KONA-2 and KULA-4 at 1330. New KTVI-2 MO SO 1300. Art says, "Where is the skip?"

METEOR SCATTER (Carl Lupton) - Lyrids had little effect on reports. Bob Seybold, NY, had 134 loggings including KTVI-2 MO, new. Art Collins and King Schafer, NY, tentatively IDed KEDY-4 TX during AIPA test, but the IHTP was different from what the station was using. King saw WCBS-2 NY 18 times. Doris Johnson, WA, logged, new, KXLY-4, WSAZ-3, and WLWC-4. Billy Draeb, WI, most distant was KRDL-4, 960 miles. Jerry Burch, AR, got 10 stations 67 times, mainly channel 2. MS in Buffalo excellent on channels 2-6 daily from 0130 to 0600; poor thereafter.

EASTERN DX (Bob Seybold) - Walter Spaulding, OH, logged WAIQ-2, new; he now has 30 veries. Norm Ernt, NY, has logged 98 stations and has new stacked Winegard Colorceptors with power packs. Carl Lupton, IL, logged tropo to 320; totals now 186. Clarence Rareside, LA, had 500+ mile tropo on April 1 and 6 with log up to 69 (from 63). Ed Bourgeois, LA, got 550 mile tropo on April 2; his log stands at 170 with 18 UHF and 115 photos. Bob Seybold, NY, logged WAIQ-2, new, via Es on April 24 with 300+ mile tropo on April 30. Paul Swartz, OH, reported aurora on April 17-18; log at 114.

WESTERN DX (Bob Seybold) - Only ten reports; all short. Ed Shorey, KS, log at 151; Jerry Burch, AR, 154; Gene Webb, CA, just 8; Morris Foote, ID, 66; David Janowiak, WI, 89. Ed Hebb, OR, reported CBUT-2 as "regular tropo" at 260 miles. Hal Glick, N.W.T. reported double-hop CBFT-3 on April 3. Others reported Es on April 23-27.

CO-CHANNEL INTERFERENCE - Only one-third of members voted in election; board members are Bedford Brown, Jerry Burch, Frank Hill, Richard Lowery, Carl Lupton, and King Schafer. Unided loggings included Queen for a Day, Rin Tin Tin, "Fun Wagon" cartoons, and a Christmas play in April!

FEATURES

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183

This new column will emphasize people and news of personal interest to TV DXers which is not covered in other VUD columns. Stories will range from "Personality Profiles" to "DX Trivia." Since this is a column for you, your contributions and comments are desired and needed. Write to address above.

CNN HEADLINE NEWS - This official list of TV stations carrying CNN Headline News was supplied by CNN V. P., Robert Schuessler—it should help in IDing stations. With a few exceptions, stations can use CNN programming anytime they wish, up to a maximum of 4½ hours per day:

KADN-15 LA, KAIT-8 AR, KARK-4 AR, KASK-48 NM, KATN-? AK, KAUT-43 OK, KCST-39 CA, KCTV-5 MO, KDNL-30 MO, KFCB-? CA, KFSN-30 CA, KICU-36 CA, KIFI-8 ID, KIMO-13 AK, KIMT-3 IA, KKTU-11 CO, KMEG-14 IA, KMID-2 TX, KMOL-4 TX, KMSP-9 MN, KNXV-15 AZ, KOAT-7 NM, KOFY-? CA, KPNX-12 AZ, KSL-5 UT, KSPR-33 MO, KSWO-7 OK, KTIE-? CA, KTVB-7, KUSA-9 CO, KUSI-51 CA, KUSK-? AZ, KVBC-3 NV, KVOS-12 WA, KVUE-24 TX, KXLI-41 MN, KYFC-50 MO, K39AS IA, TV43 KY

WAPA-4 PR, WBMG-42 AL, WBNS-10 OH, WBOY-12 WV, WBSP-51 FL, WCIV-4 SC, WCVB-5 MA, WCVX-? MA, WEEK-25 IL, WEWS-5 OH, WFAA-8 TX, WFFT-55 IN, WFIE-14 IN, WFMZ-69 PA, WGBO-66 IL, WGGN-? OH, WHCT-38 CT, WHIT-31 MI, WKBD-50 MI, WKRQ-5 AL, WLVJ-56 MA, WLYH-15 PA, WNEG-32 GA, WNHT-? NH, WNNB-31 VT, WOAC-67 OH, WOFL-35 FL, WOR-9 NY, WPBN-7 MI, WPEC-12 FL, WPXI-11 PA, WRAL-5 NC, WRSP-55 IL, WSAW-7 WI, WSB-2 GA, WSOC-9 NC, WTBS-17 GA, WTJC-? OH, WTLW-? OH, WTMJ-4 WI, WTSB-31 GA, WTTU-21 AL, WTVF-5 TN, WTVG-13 OH, WTVQ-17 IL, WTVZ-? MS, WVCY-? WI, WVIR-29 VA, WWSB-27 MS, WYFF-4 TN, W10AZ-10 VA, W54AF-54 OH.

DX TRIVIA - Name two U. S. cities which are 450 miles apart; they both: 1. have the same name, 2. have stations on the same UHF channel, 3. have a second TV station. HINTS: These cities are named for an historic European place. One of the four TV stations is located on "TV Road." The first DXer to write and give the name of the cities is the winner!

STATION DATA - Complete station personnel and address information is vital when writing for verification. The CPB Public Broadcasting Directory (1986-87 Edition, 120 pages) can be ordered for \$5 from: CPB, 1111 Sixteenth St, N.W., Washington, D.C. 20036. Its geographical listing of public TV station includes: call, channel, location, state network headquarter, key personnel, type station, air date, power, and HAAT. Stations are also listed by call letters. Similar information is given for public radio stations.

Standard Rate and Data Service (SRDS) publishes a monthly Spot Television Rates and Data. It lists all commercial U.S. stations by state and city; details include call, channel, address, power, HAAT, operating hours, personnel (manager, not C.E.), network, plus extensive rate information which is no interest to DXers. Since this publication sells for \$226 per year, we suggest that you contact advertising agencies and media representatives in large cities — you might be able to obtain recent back issues from them at no charge.

RECORD LOGGINGS - Human are naturally competitive and DXers are not an exception! How many of us would continue indefinitely if we never got any new stations? We like to increase our totals and standings in Statistics listing. Have you ever wondered if you were the most distant person to log a far-off station? In requesting verification, do you ask if you were the most distance person to report reception? This new section will be devoted to the record receptions of UHF stations (possibly VHF in the future).

Please mail, by channel, a list of all UHF stations you have logged at 1000+ miles plus all loggings which the station states is a record. If one of your locals has never receive a verie request, then the temporary record would be 10 miles! List call, channel, date, distance, type verie, and if veried as a record.

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, Ok 74074

May 1987

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, NM, NY, OK, SC, TN, TX, UT, VA & VA. And DC.

Gus Mancuso, 5615 Inwood St, Cheverly, MD 20785

3/30 tr

0024 WESM 91.3 MD Princess Anne

First new catch in several months. With regard to value of having .05 mHz tuning capability versus normal .2, my totals would be about 15-20% less with out it. Could someone explain how selectivity is objectively measured? I know it is in db's, but how does a measurement of quantity or volume relate to a "quality" relationship? (The higher the no. in db's the better the selectivity. DB) Just returned from 4 days in WV. We visited some people who live on top of a mountain and while the little lady was inside socializing, I slipped out and checked out conditions on the car radio. Having only a couple of minutes, I scanned the dial, taking a "bulk" count of stations and came up with 50 or 55, only I ed was Wheeling WV, 115 miles to north, clear as a bell. Am trying to swing a housesitting deal for the end of May when family vacations. Should be able to hit the magical 100 with directional equipment. Have any other members had any "high altitude" experiences? (Oh, my goodness, yes. I have DXed from the two highest mountain ranges in Oklahoma. For instance, while parked at the top of Mt. Scott, north of Lawton, heard from Little Rock, AR from darn over 350 miles away! DB) Also, I find best reception in most situations is with one rabbit ear vertical and other horz. is especially helpful in reducing, or do I mean increasing capture ratio to look for weaker station behind primary catch. And with indoor antenna, direction can be changed quickly and reception properties can be changed by merely sliding antenna across top of receiver or placing hand on it, especially the horizontal element. Putting one or both bars in the "v" position (45% to horz.) sometimes increases gain.

Matt Sittel, 220 Brookfield Dr., kingsport, TN 37663

EST

Equipment: Sony STR-AV340, CM 1160 quantum at 34' AGL(1453' MSL), GE 7-4875A clock radio

3/10 tr 130

1952 WMIX 93.1 NC Winston-Salem, new calls

1954 WBFM 98.1 SC Seneca 124

1956 WUSY 100.7 TN Cleveland, k 168

1959 WXLK 92.3 VA Roanoke, ID "K-94" 158

3/12 gw

1455 WMYI 102.5 NC Hendersonville, \$ 75

(1st day one the air with test)

Troops have been very simple, basic, common ones. But these haven't been very strong, either. A new 102.5 might destroy 102.5, 102.7 and 102.9 for DX purposes. I hope not! Also, I forgot to mention this DX note: 2/28 gw 1244 WVAH 99.9 WV Charleston 144. I overlooked it on my logs. Hope everyboy's getting FM Es by now! Best of DX to all. 73.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228

CST

6/10 Es (1986)

1016 WMCUT 89.7 FL Miami, g 1150

1017 WCVU 94.5 FL Naples, ID 1050

1023 WAIL 95.5 FL Key West 1090

WFYN 92.5 FL Key West, ad

1027 WPDZ 93.3 FL Tampa, ad 985

1051 WYNF 94.9 FL Tampa, "95-YNF"

1053 WHMP 97.9 FL Palm Beach, ads 1150

1057 WCMQ 92.3 FL Hialeah, Sp. 1150

1059 WRMB 89.3 FL Boynton Beach, ID 1150

1106 WQLM 92.7 FL Punta Gorda, ad 1020

1108 WIRK 107.9 FL West Palm Beach, ID 1145

1114 WEDR 99.1 FL Miami, local ad 1150

1115 WQST 99.9 FL Boca Raton 1150

1119 WGYL 93.5 FL Vero Beach, k 1110

1121 WFLX 93.5 FL Fort Myers, al 1040

1124 WRCI 93.5 FL Naples, 0095 1050

1127 WFSY 96.7 FL Jupiter, ID, EL 1145

1141 WLRN 91.3 FL Miami, j 1150

1142 WDVV 95.5 FL Fort Peirce, ID 1115

1148 WRIT 92.7 FL Stuart, ID 1125

1152 WOKD 98.3 FL Arcadia, ads, OK98 1065

1157 WFFM 94.1 FL Lakeland, local ad 1010

1211 apx f/outs

6/10 Es

1331 WYFL 92.5 NC Henderson, g, ID 1255

1428-1430 unIDs 88.5, 88.9

ms

1434 WFBQ 94.7 IN Indianapolis, Q-95 995

(1790-2115 at committee meeting for my 20

year high school reunion!)

2115 unIDs 106.5+

2128 WIVK 107.7 TN Knoxville, ID 990

(2130, 144-MHz Es to Chattanooga, TN, spotty)

2146 WVO 106.1 OH Mansfield, ID 1180

2152 WELE 105.9 FL De Land, area wx 1040

2200 WEMM 107.9 WV Huntington, WV ad 1100

2202 WMJC 94.7 MI Birmingham, ID 1235

2203 WCZY 95.5 MI Detroit, ID 1225

2218 WMLW 94.1 WI Watertown, ad 8 1090

2222 RLSS 106.1 IA Mason City, wx 985

2223 WMT 96.5 IA Cedar Rapids, wx 945

2227 WILV 94.9 WI Baraboo, ID 1085

2229 KSTP 94.5 MN St. Paul, lcl wx 1110

2230 KTIS 98.5 MN Minneapolis, ID 1110

2233 KKJR 107.1 MN Hutchinson, ID 1090

2234 KKWS 105.9 MN Wadena, area ad 1190

cont.....

COME TO THE WTFDA CONVENTION

JULY 31 to August 2, 1987

6/10 Es	6/11 Es	6/12 Es
2241 WHLZ 92.5 SC Manning, ID	1290	1743 WMYG 96.9 PA Braddock, area ad
2248 WQDRt 94.7 NC Raleigh, k	1290	1744 WTQR 104.1 NC Winston-Salem, lcl ad
2259 KFNW 97.9 ND Fargo, ID	1200	1745 WNUJ 107.1 OH Belpre, k, ID
2303 KQDY 94.5 ND Bismarck, area wx	1200	tr
2357 WDEK 29.5 IL De Kalb, ID	1020	1749 KVIC 107.9 TX Beaumont, area ad
6/11 Es	6/12 Es	6/13 Es
0000 WAAG 94.9 IL Galesburg, ID	915	1749 WDSY 107.9 PA Pittsburgh, local ad
0001 unID 105.7 (MUF)		(1755, VOR's)
0012 KYOU 92.5 CO Greeley, ID	830	1759 WPAV 104.1 OH Portsmouth, ID
0018 KQRS 92.5 MN Golden Valley, ad	1110	WQAL 104.1 OH Cleveland, ID
0023 spotty to 0040 f/outs		1823 WCMQ 92.3 FL Hialeah, Sp.
0800 WMCU 89.7 FL Miami, g, area psa	1150	1831 WMCut 89.7 FL Miami, g
0801 WFYN 92.5 FL Key West, ID	1090	1852 WFBQ 94.7 IN Indianapolis
0813 WRGI 93.5 FL Naples, area ad	1050	1853 WTTT 92.3 IN Bloomington, local ad
0823 WHYI 100.7 FL Ft. Lauderdale, psa	1150	CJBY 92.7 ON London, k, "BX-93"
0837 WFGT 93.7 OH Miami, g	1070	1859 WWEZ 92.5 OH Cincinnati, ID
G---t 93.5 Cuba Santa Clara, Sp.	1270	1901 WKJQ 92.5 OH Alliance, lcl ad, r
0838 WINK 96.9 FL Ft. Myers, local ad	1040	1902 WHBC 94.1 OH Canton, area wx
0844 WTTT 92.3 IN Bloomington, ID	950	1909 WKSU 89.7 OH Kent, c
0853 WPTI 107.9 IN Indianapolis, ID	995	1933 apx f/outs
0905 WWHY 104.9 IN Columbus, ID	1050	6/12 Es
0911 WAKWt 93.3 OH Cincinnati, g	1035	0728-0737 unIDs 88-89 (spotty)
WNNS 98.7 IL Springfield, ID	870	0800 WBNI 89.1 IN Fort Wayne, town ID
0915 WJFM 93.7 MI Grand Rapids, Joy-FM	1175	0801 WAJI 95.1 IN Ft. Wayne, ID
0916 WGFA 94.1 IL Watseka, ID	985	0802 WBCU 90.3 IN Fort Wayne, local psa
0917 WBFt 97.7 IL Effingham, g	870	0814 WDCRt 88.5 IA Sioux Center
0921 WFMT 98.7 IL Chicago, ID	1045	0817 WOW 94.1 NE Omaha (59 AM)
WYCat 92.3 IN Hammond, g	1040	0819 WDDQ 95.1 IL Decatur, local ad
(0924, 144-MHz Es to FL; brief)		0820 WGFA 94.1 IL Watseka, ID
0948 KOKZ 105.7 IA Waterloo, ID	960	0822 KKRC 93.5 SD Sioux Falls, ID
0950 ITOI 108.9 AL Troy (ILS) [20 w.]	765	0843 KELO 92.5 SD Sioux Falls, ID
0956 WDSY 107.9 PA Pittsburgh, ID	1280	0846 WILVt 94.9 WI Baraboo, EL
0958 KLSK 106.1 IA Mason City, city ID	985	WXXQt 98.5 IL Freeport, r
0959 WOVK 98.7 WV Wheeling, ID	1240	0848 WXLp 96.9 IL Milline, ID, ads
1001 WPAV 104.1 OH Portsmouth, ID	1095	0849 KHAKt 98.1 IA Cedar Rapids
1004 WNCY 107.9 NC Greenville, area ad	1295	0850 KCKC 88.3 IA Cedar Rapids, ID
1005 WZNY 105.7 GA Augusta, Sunny 105	1010	0852 WMLW 94.1 WI Watertown, ID
1011 WBGK 95.7 WI Milwaukee, ID	1100	sull to
1014 WQDR 94.7 NC Raleigh, ID	1230	0905 KEYA 88.5 ND Belcourt, ID
1018 WYAV 104.1 SC Conway, ID, r	1175	lull again to
1021 WCLA 107.1 GA Claxton, ID	1000	0927 WDAYt 93.7 ND Fargo
(1024-1200, 144-MHz Es to GA, NC SC, AL)		0029 KQDY 94.5 ND Bismarck, town ID
1221 WRDU 106.1 NC Wilson, ID	1265	0930-1018 spotty 88-92
1222 WQOK 105.7 NC Columbia, OK 106	1360	6/14 Es
(1228-1300, 144-MHz Es to NC)		0909 KKRC 93.5 SD Sioux Falls, local ad
1233 WSTS 96.5 NC Laurinburg	1165	0911 KKOK 95.7 MN Morris, local ads
1244 WSPA 98.9 SC Spartanburg, ad	1035	0912 KQAA 94.9 SD Aberdeen, r
1250 WMSQ 104.9 NC Havelock, ad	1315	0914 KDLO 96.9 SD Watertown, ID
1252 WKLL 93.3 NC Washington, ID	1335	0915 KNEN 94.7 NE Norfolk, lcl psa's
WRNSt 95.1 NC Kinston, k	1275	spotty to
1255 WPEG 97.9 NC Concord, ID	1120	0953 KQDYt 94.5 ND Bismarck, k
1300 WKTC 104.3 NC Tarboro, ID	1290	6/15 Es
(1307-1314, 144-MHz Es Chesapeake Pen., VA)		0859 KMFR 88.9 ND Minot, ND wx
1321 WRVQ 94.5 VA Richmond, r, 1-94	1325	2 other tentative from same area
1325 WTQR 104.1 NC Winston-Salem, ID	1150	1308 KSDYt 95.1 MT Sidney, k
1327 WPRV 94.9 VA Roanoke, ads	1195	1314 KQDY 94.5 ND Bismarck, k "KQ-94"
1329 WKLM 94.5 NC Eden, Glassy-95	1180	3 other tentative from ND
1356 WLTt 94.7 MD Bethesda	1375	1337 apx f/outs
1405 WKLL 92.3 VA Roanoke, local wx	1195	1637 KNAU 88.7 AZ Flagstaff
WAMUt 88.5 DC Washington, bluegrass 1385		1649 KKFR 92.3 AZ Glendale, r, ID
soon f/outs after 6+ hours!		1658 KJZZ 91.5 AZ Phoenix, J, ID
1543-1550 WNNFt 88.5 FL Tampa	985	1700 KMEQ 96.9 AZ Phoenix, EL, ID
1658 WPDdt 88.5 NC Winston-Salem	1150	1714 XHMMpt 92.3 BCN Mexicali, Sp., r
1705 WRVt 92.5 NC Henderson, g	1255	1720 KDKB 93.3 AZ Mesa, area ad
1716 WTEBt 89.5 NC New Bern	1305	1721 KOOL 94.5 AZ Phoenix, ID
1719 WRVQ 94.5 VA Richmond, local ad	1325	soon f/outs
1729 WPRV 94.9 VA Roanoke, EL, ID, wx	1195	6/18 Es
1737 WTFM 98.5 TN Kingsport, ID	1045	1004 WYFL 92.5 NC Henderson, nx, ID
1739 WTNJ 105.9 WV Mount Hope, k	1150	1008 WSPat 98.9 SC Spartanburg, EL
1740 WXIS 103.9 TN Erwin, k, ads	1035	(1009, very little on TV!) CONT. NEXT MONTH

Place: Esko MN—Home of the FM Atlas Publishing Co. and FMedia! Much of the convention activity will be centered on our 35-acre property located 22 km WSW of Duluth MN, in Carlton County, with WKLK-FM 100.9 the closest local.

Time: Plan to arrive any time on Friday, July 31, by plane, car, bus or boat—all roads lead to Duluth. There will be a kick-off catered meal that Friday evening and a full day of activity Saturday, Aug. 1. Here's a chance to meet other DXers and renew friendships. By Sunday afternoon, you'll be on your way again, with all the excitement of another WTFDA convention behind you. You may want to stay in the area longer and enjoy its media and its beauty.

Accommodations: We've reserved a block of rooms at each of two motels nearby. The choices are: Scot Wood Motel in Cloquet MN, just seven miles from the convention site. Rates \$29.65 single, \$36.95 two people, two beds; \$39.95 for four people, two beds. Write them at Highway 33 and Big Lake Road, Cloquet MN 55720; (800) 426-7070. The other motel is Spirit Motor Inn, and that is in the direction of Duluth, also about seven miles from us. Their prices are the same as for the Scot Wood. Write them at 9315 West Gate Blvd., Duluth MN 55810; (218) 628-3691.

It is very necessary to have reservations in early! This area is quite a tourist place, and there are no rooms available if one just shows up expecting to find motels or hotels (although one poorer-quality hotel said they do often have vacancies, and we can refer late-comers there). You can write or call either of these motels and reserve your room. Tell them it is for the WTFDA convention, and use our name (Elving).

What to do: This area of northern Minnesota offers something for everyone. There are summer sports of all kinds and oodles of gorgeous scenery, including Duluth's famed skyline drive, with excellent FM reception from WI (if you try it out in a bend where the locals are not too strong). Plan to make a vacation trip along with the convention activities.

Tentative convention activities or topics: flea market, where you can buy or sell; literature exchange; "beyond DXing" and how to make money with your hobby; club politics hauled into the open in a closing free-for-all session Sunday; find the clones on your FM dial; explore the inner workings of the FM Atlas publishing and electronics endeavors; bring your tuner for side-by-side comparison tests (time permitting), or for modification.

REGISTRATION. The registration fee of \$30—which can be sent in any time now—we will need to know how many to plan for. This includes the sessions, a chance to get in on the flea market, refreshments as well as Friday and Saturday night meals. Meals can be purchased separately if there are family members who just want to attend one or both of the meals. Both motels are located near family-type restaurants, such as Perkins and Country Kitchen.

If you wish to bring your family, they will be most welcome. There is lots of sight-seeing, good summertime recreation, a zoo, excursion rides in the Duluth-Superior harbor and on Lake Superior.

One note to the wise: Bear in mind that northern Minnesota can be delightfully cool in the summer, so plan to tuck a jacket, sweater or sweatshirt (with radio or TV station logo?) into your luggage. USE THIS COUPON, or copy it:

I (we) are coming to the WTFDA convention in Esko MN.

Name _____

Address _____

Phone _____ How many in party? _____

Planned day and time of arrival: _____

Method of transportation and if you need a ride from Duluth airport or Cloquet bus station _____

If driving, mention if you can take another DXer along, sharing expenses, or if you need a ride mention that. Watch for more details next month. Remember to register early!

New Station, Translator Grants
(selected)



AL Andalusia 104.7 3000 h.v.; 100 m
AK Kenai *91.9 4400 watts h[orizontal] and v[ertical], 42 meters above average terrain
AZ Riviera (I think that's the correct spelling; ZIP Code Directory has it that way, but FCC lists it as "Riviera"; it's not on my Rand McNally) K237CK 95.3 (KMDX translator); check FM Atlas for Riviera's location
K280DD 103.9 (KEYV 93.1 Las Vegas)
CO Breckenridge K224BU 92.7 (KYSL 92.1 Frisco; see "Call Letters" below)
CO Buena Vista-Salida K261CB 100.1 (KRMH-FM 93.5 Leadville)
GA Sparta 97.7 3000 h.v.; 100 m
HI Hilo 92.7 3000 h.v.; minus 178 meters
ID St. Anthony K210AT *89.9 (KCIR 90.7 Twin Falls)
ID Wallace 100.7 4400 h.v.; 849 m
IA Fairfield *90.5 3000 h.v.; 100 m, IA Community Radio, Inc. [Beaumont TX]
LA Lake Charles K220BU *91.9 (KVLU 91.3/ MN Slayton 103.1 3000 h.v.; 82 m

Rust College
MS Holly Springs *88.1 3000 h.v.; 100 m, MS Macon 105.5 3000 h.v.; 100 m
NM Santa Fe K244CX 96.7 (KHFM 96.3 Albuquerque NM, another of Mike Brasher's translators—he's the mysterious operator of K240BL 95.9 Albuquerque, which apparently cannot pick up primary KISZ-FM Cortez CO, Brasher works at KANW Albuquerque)
NY Webster *89.3 1000 h.v.; 23 m, Mars Hill Broadcasting; delete W292AH there, since new station will presumably duplicate the translator
ND Dickinson *89.5 12500 h.v.; 150 m, Prairie Public Broadcasting
OK Hennessey K292DX 106.3 (KJIL 104.9 Bethany)
PA Nanticoke *89.1 100 h.v.; minus 116 m, Luzerne County Community College
TX Lubbock K249CD 97.7 (KUFO 104.7 Lamesa)
WA Royal City K213AX *90.5 (KMFI-FM 107.9 Spokane) [101.7 St. Mary's]
WV Harrisville W265AL 100.9 (WRRR)
WY Lost Cabin (43-24-55; 107-27-08) 99.1 10000 h.v.; 396 m
PD Drummondville 92.1 3000 h.v.; r[ock] format, "with all-night programming from CHOI FM Quebec City"
PQ St-Hyacinthe 106.5 3000 h.v.; CKBS
PQ Sorel CJ50 101.7 3000 h.v.; "the FM replaces the AM station, which has been experiencing technical problems, Group I programming" (rock?)
Call Letters Assigned (Selected)

AL Jasper 102.5 WZBO-FM (WZBO); AM is in Tuscaloosa), "Z-102," r
AL Montgomery 103.3 WREZ-FM
AR Fort Smith 100.9 KBBQ (from KFPW-FM, r (oldies)
AR Pine Bluff 94.9 KZLR (KADL), rp, adds Little Rock ID [be g[ospel]
AR Mountain Home *91.3 KCMH, 101
CA Desert Center 102.3 KZAL (KORS)
CA Greenacres *88.3 KAXL
CA Los Osos-Baywood Park 101.3 KLZZ (KEDZ), facilities change to 458 m (4800 h.v.)
CA Roseville-Sacramento 93.5 KRXX (KDJJ), rp, "93-Rock"
CA San Diego 106.5 KKLQ-FM (KKLO), "Q-

106," r (CHR)
CA Santa Cruz 99.1 KLRS (KSCO-FM), "Colors 99.1," jr ("new age" music)
CA Turlock 98.3 KMIX-FM (KMIX)
CO Frisco 92.1 KYSL
CO Grand Junction 92.3 KVEE-FM (KVEE; affects 18 translators)
FL Green Cove Springs 92.7 WPDQ (WSVE), still s[oul], adds Jacksonville ID
FL Miami Beach 94.9 WZTA (WINZ-FM), "Zeta-94," rp
FL Orlando 96.5 WHTQ (WHOO-FM), rp
HI Kailua-Kona 93.5 KLUA (KHJM)
IL Kankakee 99.9 WBUS (WBSW), now missing "The Bus?"
IL Rock Island 98.9 WPXR-FM (WJBF-FM), "Power-98.9"
IN Madison 96.7 WORX-FM (WCJC)
IA Des Moines *91.3 WDFR (not KDFR; FCC list confirms use of "W," helping to erode the K-W Mississippi River artificial distinction; I wrote FCC in favor of this rule's change)
IA Onawa 102.3 KODD (KBAO)
KS Hutchinson *91.5 KFRK
KS North Newton *88.1 KBCU
MI Atlanta 92.5 WYKY
MI Birmingham 94.7 WCSX (WJJC), "Classic Rock," fate of well-known dj Alan Almond, who had the night show on WJJC, not announced [AM has new calls]
MI Cadillac 92.9 WDLW (WXYB)
MI St. Johns 92.7 WLNZ-FM (WLNZ-FM; / MI Sebawaing 103.9 WYMI, to be \$, g
MS Gulfport 107.1 WXLX (WZKX)
MS Marion 103.1 WQIC-FM (AM is in Meridian MS), to be s[oul]
MS Meridian 103.1 WJDD-FM (WJDD)
MS Poplarville 107.9 WZKX (WOLC)
MO Branson *88.1 KLFC
MO Mountain Grove 92.7 KRFI-FM (KLRS-FM)
MT Hamilton 95.9 KBMG (KLYQ-FM)
NE Lincoln 95.3 KLDZ (KJUS)
NJ Dover Township *91.1 WKTW
NJ Hazlet *89.3 WCNJ (WVRM); affects 2 translators
NM Los Alamos 98.5 KKBK (not KBOM) 107.1 KBOM (KPZA), "K-Boom"
NY Boonville 101.5 WBRV-FM
NY Herkimer 92.7 WYUT-FM (WYUT; AM was WLIR, which now moves to Spring Valley NY, while WLIR-FM remains in Garden City NY)
NY Hyde Park 97.7 WCZX (WJJB)
NY Oswego 101.7 WQX T (WQWT)
NC Columbia 105.7 WRFS (WWOK)
NC Hendersonville 102.5 WKOL (WMYI)
NC Reidville 102.1 WBIG (WWMO), k
NC Williamston 103.7 WKKE (WPMG)
NC Winston-Salem 93.1 WMOX-FM (WSEZ), r
ND Valley City 100.9 KOVC-FM (KFRM)
OH Mount Vernon 93.7 WQIO (WMOV-FM)
OK Lawton 94.3 KQLI
PA Philadelphia 106.1 WEGX (WTRK), "Eagle"
PA Punxsutawney 105.5 WPXZ-FM (MPXZ-FM; AM has different calls)
PA Tamaqua 105.5 WMGH (WCRN), r, "Magic"
RI Westerly 103.7 WWRX (WERI-FM), rp
SC Goose Creek 94.3 WWHF-FM (WLNH-FM, AM is in Charleston SC)

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SC Ravenel 101.7 WMGL (WFXR), s[format]
SC Saluda 92.1 WWRQ (WSPB); 3000 h.v. (100 m) ["Rebel-100"
TN Franklin 100.1 WWRB (WLRQ-FM), rp/
TX Amarillo 94.1 KDJW-FM (KBUV-FM)
TX Big Spring 95.3 KWKI-FM (KWKI); nonID dropped; in hands of bankruptcy trustee
TX Luling 94.7 KAPT (KCUR), 446 m (100000 h.v.); rm, not known if Stereo
TX Ozona 94.3 KYYX (KRCT)
TX Sonora 92.1 KHOS-FM (KHOS)
TX Terrell Hills 106.7 KMMX (KESI), "K-Mix"
UT Salt Lake City 98.7 KCPX-FM (KCPX-FM)
VT Rutland *88.7 WRVT
VA South Boston 97.5 WJLC-FM (not changing to WPHR-FM)
VA Strasburg 104.9 WESI (not WL SL)
VA Virginia Beach 94.9 WQJL-FM (WNRN)
WA Pullman 95.5 KPMP
WA Richland 105.5 KOTY-FM (KHWK), k
WA Yakima 99.3 KAJR-FM (KAJR-FM)
WV Wheeling 97.3 WEEL-FM (WKWK-FM); AM is in Fairfax VA; b[roadcast]
WI Racine 100.7 WHBT (WRKR-FM), "Heart-beat 101," but always mentioned with call letters, r, "a bunch of rock music, which I suspect is called adult contemporary"
VI Charlotte Amalie 101.1 WCMV (WSTT)

Facilities Changes Granted (Selected)

AZ Phoenix KJZZ *91.5 486 m (100000 h.v.)
CA Santa Barbara KTYD 99.9 34000 h.v. (390 m), apparently qualifying for super-maximum coverage, despite being in a zone limited to 50 kw at 150 m
CO Castle Rock KADZ 92.1 187 m (820 watts h.v.) [(3000 h.v.)
CO Gurray KURA 104.9 minus 848 m
FL Key West WFFY 92.5 184 m (100000 h.v.); not to go to 92.3; change your FM Atlas reference accordingly
WQZN 98.7 302 m (100000 h.v.)
FL Macclenny WJXR 92.1 100 m (3000 h.v.)
FL West Palm Beach WEAT-FM 104.3 56000 h.v. (381 m), directional [h.v.]
GA Augusta WUGS-FM 102.3 100 m (3000)
GA Savannah WZAT 102.1 403 m (100000 h.v.)
GA Valdosta WAFB 101.1 100000 h.v.; -125 m
HI Honolulu 100.3 (new) 100000 h.v.; -125 m
ID Idaho Falls K211BD *90.1 (from K204AX 88.7)
IL Romeoville WLRA *88.1 mentions Romeoville on the hour; Lockport at sign off, so I am continuing to list it as licensed to Romeoville

KY Murray WAAW 103.7 has v[er]tical
KY Pippa Passes WOAL *91.7 900 h.v.; 162 m
LA Varnado WBOC-FM 92.7 98 m (3000 h.v.)
MA Lynn WFNX 101.7 1650 h.v.; 134 m
MA Worcester WCHC *88.1 (from 89.1) 100 w (vertical only); -2 m
MS McComb WAKH 105.7 331 m (100000 h.v.)
MO St. Louis KEZK 102.5 313 m (100000 h.v.)
MT Billings KEMC *91.7 100000 h.v.; 158 m
NV Henderson KMQZ 100.5 327 m (100000 h.v.)
NV Reno KSXY 101.7 "ordered from 272A" by FCC, even though it may initially have operated on 102.3
NM Farmington K292CA 106.3 (from K296DL 107.1), ref. last month. It will not move to 107.1, "according to licensee. Apparently KROS Pagosa Springs CO had complained of interference."
NY Batavia WGGC *90.7 900 h.v.; 42 m
NY Brockport WBSU *89.1 (from 88.9) 7300 h.v.; 53 m

FCC-FM

NY Lowville WLLG 99.3 1000 h.v.; 171 m
NY Utica WURY *89.5 6250 h.v.; 237 m
NC High Point WOJY 100.3 316 m (100000 h.v.)
ND Minot KHHT 97.1 100000 h.v.; 300 m
OH Castalia WGGN 97.7 640 h.v.; 221 m
OH Cleveland WCLV 95.5 no directional antenna
WNCX 98.5 16000 h.v.; 293 m
OH London WCKX 106.3 100 m (3000 h.v.)
OK Alva KTTL 94.3 100 m (3000 h.v.)
OR Hermiston KQFM 99.3 91 m (3000 h.v.)
OR Portland KKRZ 100.3 438 m (100000 h.v.; see Jan, p. 8, col. 3)
PA Bellwood WALY 103.9 310 h.v.; 300 m
"Wally 104," r ("uptempo adult contemporary"); embraces stereo
PA Jenkintown *106-FM 103.9 340 h.v. (305 m), monophonic
SC Charleston WSSX 95.1 300 m (100000 h.v.)
TN Jefferson City WJFC-FM 99.3 100 m (3000 h.v.)
TN Memphis WRVR-FM 104.5 300 m (100000 h.v.)
TN Milan WYNU 92.3 302 m (100000 h.v.)
TX Harlingen KELT 94.5 362 m (100000 h.v.)
KIWW 96.1 304 m (100000 h.v.)
TX Lubbock K212CX 92.1 (from K249BD 97.7; also see "New Stations" above)
TX Marshall KMHT-FM 103.9 1850 h.v.; 129 m
VT Waterbury WGLY 103.1 1100 h.v.; 163 m, monaural
VA Chester WODY 92.1 100 m (3000 h.v.)
VI Milladore WGNV *88.5 23000 h.v.; 178 m
WA Mount Vernon KSVR *90.1 100 w horizontal only; minus 49 meters
ON London CHRW 94.7 5000 h.v. (55 m)
ON Nipigon-Red Rock CFNO- 100.7 (from 103.7, not yet on air)
ON Parry Sound CKLP 103.3 2500 h.v.
PQ Chissibi (formerly Fort-George), affects CBFC 103.5 and CBMP 105.1
PQ Kawawachikamach (renamed Indian village—nearly Schefferville abandoned), affects FM relayors on 89.3 and 106.9
PQ Keyano (from Camp LG-4), CKBJ-1 98.1 and CHLG-1 100.1
PQ Sakami (from Camp LG-3) CKBJ 98.5 and CHLG 100.5
PQ Waskaganish (from Fort Rupert) CBFH 103.5 and CBMD 105.1
PQ Wemini (from Nouveau Comptoir) CBFW 103.5 and CBMW 105.1
Canada mystery: CFBS FM Blanc Sablon PQ listed as applying for power increase to 25 watts; I wonder if this is the same station as the 1-watter listed without calls for St-Augustin on 90.1?

Format Changes

Abbreviations are the same as in the "FM Atlas"
AL York WSLY 99.3 s
CA Santa Cruz KCLB *91.9 gr
FL Lakeland WCIE *91.1 gr, "adult contemporary"
FL Melbourne WMMY 102.3 r, "Y-102"
GA Newnan WVER 96.7 still s, "although more black oldies (Motown, etc.) than urban contemporary."
HI Kealahou KOAS 92.1 rp (from b)
ID Boise KCIX 105.9 r, "K-106" (strict)
IL Cahokia WRTS *89.5 r, adds Stereo, "heard with KCFV in SW Madison county IL (Granite City area)"
IL Chillicothe WBZM 94.3 b (from k[country])
IL Columbia WCBW 104.9 gr, "contemporary Christian"
IL Rockford WQFL 100.9 gr, "adult contemporary," with artists like Amy Grant, Petra, and the Imperials
IL Springfield WNNs 98.7 r, no nonID
KY Mayfield WXID 94.7 k
ME Boothbay Harbor WCMF 96.7 b
ME Lincoln WLCN-FM 99.3 r
MD Ocean City WOCO 103.9 rs
MD Princess Anne WESM *91.3 js

Watch out WMUC, WJTM's Gonna Get You!

MA Boston WMRQ 103.3 jr, jazz, "new age music" and soft rock
MI Detroit WLTJ 93.1 mr (Transtar 41), "W-Lite"
WOMC 104.3 rm, with "many oldies"; "Music Now!" nonID
MI Otsego-Kalamazoo WQXC 100.9 r (CHR), "Quixie-101" (not strict)
MI Whitehall-Muskegon WKBB-FM 95.3 r, talk 9 p. m. to 5 a. m. (Mutual feed), in "stereo-phony"
MN Cloquet WKLF-FM 100.9 rm, with Sunday afternoon ethnic and polka
MN Grand Rapids KJNS 96.9 r
MS Bay Springs WXLY 93.5 r (oldies)
MO St. Louis KTAD *88.1 to be [ethnic] "if it ever comes on"
KSD 93.7 rumored to be going rp, "still r (AC)"
KADI 96.3 mr, Format 41
MO Marshall KMMO-FM 102.9 k
NE Kearney KSCV *91.3 cr (classical and rock)
NV Reno KIIQ 104.5 k, affects 8 translators
NY New York WRKS 98.7 s, "they're giving up on the crossover crowd, which WQHT has captured, and devoting themselves to the black and hispanic market"
OH Elyria WBEA 107.3 rp, "Z-Rock," ID with Cleveland?
OH Greenville WDRK 106.5 r (oldies, no more country), still "K-106"
OR Pendleton KRBM *90.9 cp, "breaks away from the other OPB stations weeknights 8 to midnight for programs of allum-rock DJed by students at Blue Mountain Community College"; not known if stereo
PA Canton WKAD 100.1 k
SC Ravenel-Charleston WFXR 101.7 s
TX Bastrop KSSH 107.1 r (oldies)
TX Houston KRBE 104.1 sr, "Power 104," with about half of current playlist being "urban"
TX Lubkin KYKS 105.1 r
TX Pasadena-Houston KBQB-FM 92.9 rs
TX Refugio KZTX 106.3 m, "adult standards"
TX San Angelo KELI 98.7 b [beautiful] music
TX Tyler KROZ 92.1 rp
UT Ogden KKAT 101.9 k
UT Salt Lake City KISM 97.1 r, affects 10 translators, one of which, K228AB 93.5, is in Upper Bear River WY, not Evanston
WA Bellingham KUGS *89.3 p, monophonic KISM 92.9 r, "they dropped album rock back in 1983"
WA Seattle KCMU *90.3 (having just moved from 90.5) p, but mono
WV New Martinsville WATQ 103.9 r, "Q-104"
WI Oshkosh WAHC 96.7 k
BC Vancouver CKKS 96.9 jr, "adult contemporary with 15 hours per week of jazz fusion"
DN Windsor CKLW-FM 93.9 rl, "oldies, but 20% b to meet CRTC" program format requirements
BN Mexico XHSOL 89.9 sr

Stereo, or to be Stereo

CO Farmington KTRA 102.1 k
IL South Jacksonville WJVO 105.5
ME Belfast WFFF 104.7, ID with Bangor-Eliaworth, "The Fox"
ME Caribou WCMU 97.7 rk
NY Putnam WSCP-FM 101.7
SD Reliance KPLQ-FM 94.5 k, dual ID with KDLQ-FM 96.9 Watertown SD
OR Bend KNLR 97.5, affects 2 translators, including K240BN The Dalles, 95.9
AB Edmonton CJSR *88.5 pj, "separate rock, jazz programs" [FM]
WA Pasco KEYW 98.3, "Kay-98, Gourmet"
BC Mount Timothy CFFM-1 99.7 and Quesnel 94.9
BC Terrace CJFW 103.1 and CJFW-2 Prince Rupert 101.9
BC Vancouver C1TR *101.9 p, with "alternative/college rock, reggae and dance-

May, 1987

funk"
BC Victoria CFUV *105.1 p, "alternative/college rock, heavy metal and a bit of ethnic and classical programming"
BC Williams Lake CFFM 97.5
ON Orangeville CIDC 103.5, heard testing, "DC 103," rm (lite rock, was to have begun "around Easter")
NOT IN STEREO
CO Silverton KDFM 103.7 now k format; "this station was stereo when it first moved from 103.9 to 103.7, but the multipath was too much with the new antenna site and power"; affects 1 translator
NT Hay River CKHR 107.3
Deletions

AL Florence W252AD 98.3, the "new" WKDF 103.3 Nashville TN translator (grant must have been an FCC error)
CA San Luis Obispo KSLP *88.3, denied request for extension of time
FL Apalachicola 105.5, grant rescinded; back to application status; meanwhile its original calls, WBFI, granted to KcDaniels KY *91.5
KY Bowling Green WKEM *91.7, application denied for CP to replace expired construction permit
ME Camden WMTF 102.5, "application denied for extension of time"
MO Riverside W292AD 106.3
NM Farmington K272KA 102.3, forced off because of new KTRA 102.1 coming on the air (see "Stereo," above)
NY Webster W292AH (see "New Stations Granted (Selected)," above)
ND Dickinson K208AF *89.5, displaced by full-power station on *89.9 (see "New Stations" above)
ON Brockville CBCB 103.3 had been listed as licensed, and never on the air, not even mentioned on CBC lists, so consider this phantom station, on a prime U. S. border frequency, deleted
PQ Brissay CKBJ-6 93.1, as well as CHLG-6 95.1 [as CKBJ-4 96.1
PQ Camp Chaumont *95.1, as well/
PQ Camp Fontage 93.1 CKBJ-7
PQ Camp LG-1 CHLG-8 95.1
PQ Camp Mirage 95.1
PQ Eastmain 105.1 CHLG-4
PQ Gagnon 98.1 and CFJO 104.1, "town abandoned"
PQ Laforge 95.1 CHLG-7; article in "Broadcast Technology" magazine says Club Social La Grande has closed eight broadcast facilities which served Hydro Quebec construction camps in the James Bay area. Also assumed to be deleted are non-Social La Grande stations in those camps, including the two Gagnon stations

Off Air, or Not Yet On

AK Delta Junction KDCZ 93.5
GA McDonough WMMV *90.7
IN Winamac WOTD 100.1
NH Hinsdale WYRY 104.9
TX San Antonio KURU *89.1
VA Lorton WDCJ *88.1, "I thought it had been deleted. Gave up trying for years ago. Don't think they ever came on." To be run by the federal prison, and WJTM *88.1 Frederick says it will not object to the station coming on, but WJTM plans to fight WMUC *88.1 College Park MD. "We will get WMUC shut down, if it does not move to *87.9," with WJTM to improve its directionality into Washington DC, while protecting WJHU *88.1 Baltimore.

On Air (Selected)

MA Chatham WAFR 107.5, classical with jazz, "definitely fine arts," S, with "terrible limiting; compresses the audio like a rock station."

FCC-FM
MI Ontonagon WONT 98.3 \$, k
PA Johnston WFRJ 88.9 \$, g, Family
Stations—and probably all the WFRJ translators
in PA and eastern OH
PA Whiteville WLHI 107.1 g, not known if \$

NonIDs, Not Just Slogans

AZ Green Valley KFXN 92.1 92 K-Fox (strict), r
CA Hanford KMGX 103.7 X-104
CA Red Bluff KALF 95.7 no nonID; uses calls
frequently, "and seems to have retired 'Calif
Country' (but not k format)"
CA Tulare KBOS 94.9 98.5, adds Fresno to its ID
ID Caldwell KCFM 107.1 C-107
ID Jerome KCFM 102.9 Z-103 (strict)
ID Twin Falls KLLX-FM 96.5 clicks-96 (strict)
IA Clarion KRIT 96.9 Super-97 (not strict), FCC
urges delay in granting station license because of
interference caused to KHB7 97.7 Hum-
boldt
KS Columbus KSSC 98.3 k, KS-98
KY Lexington WLAP-FM 94.5 Power-94.5 (from
FM-94.5) [Radio 94.5] any more
LA Lafayette KSMB 94.5 no nonID, no "Hit/
ME Augusta WMMF-FM 92.3 92-Moose, r
ME Bath WIGY 105.9 no nonID (no Y-106)
ME Ellsworth-Bangor WWMJ 95.7 WMJ (strict)
ME Saco WHYR 95.9 96-HYR (not FM-96, not
strict)

ME Sanford WCDQ 92.1 Classic Hits
MI Escanaba WGLQ 97.1 Magic-97 (from 97-
GLQ)
MI Ironwood WUPM 106.9 UPM (not strict)
MN St. Louis Park KJJO-FM 104.1 Hot Rockin'
104 (strict). Format has some mild sex talk,
especially in the morning
NM Santa Fe KKSX 97.3 Kiss-FM
KIVA 105.1 Power-105 (not Kee-Va)
OR Eugene KMGF 94.5 Magic-94 FM, nr; this
format change cost KMGF three translators
KZEL 96.1 96-FM
KPNW-FM 99.1 Lite 99 FM
OR Portland KYTE-FM 101.1 no nonID
TX College Station KTSR 92.1 Star 92, r ("adult
contemporary")
TX Mount Pleasant KPXI 100.7 X-100
TX San Antonio KSAQ 96.1 Super Q (strict),
and occasional references to 780 AM, with
AM call letters, KSJL, mentioned only near
the top of the hour—"KSJL and KSAQ San
Antonio" (Hits from K-Light)
UT Salt Lake City KLTQ-FM 93.3 Classic/
VA Arlington WAVA 105.1 Power 105 (not
strict)
WA Bremerton KHIT 106.9 K-Hit occasionally
still in use, but more often saying Power-
106.9, but "always with call letters"
WA Seattle KPLZ 101.5 no nonID; always uses
call letters

ON Atikokan CBLA 90.5 CBC Radio for NW
Ontario (strict; never uses legal calls)
ON Dryden CBQH 100.9 CBC (strict)
ON Fort Frances CBQT 90.5 CBC
ON Nipigon CBQY 98.9 CBC
ON Wawa CBLJ 88.3 CBC
SK Saskatoon CFMK 95.1 C-95 (strict), r

FMistakes, VUD

AR Russellville KAIO 100.9 (not 10.9), Oct., p.
32, col. 2 (also Prototype FMedia p. 3, Col.
1)
ID Idaho Falls KEZF, Feb., p. 14, col. 1,
frequency missing—is 96.1
IL Granite City KWK 106.5 (not 1065), Feb.,
p. 13, col. 3 [32, col. 3]
OH Ashland WRDL 88.9 (not "CR"), Oct., p./
Other FMistakes are listed in FMedia! Corres-
ponding FCC-FM column in which mistake
may have occurred is one month later

See Also April VUD for

TN Greenville WIKQ 94.9 apparently r, Sittel,
p. 40
NL Monterey XHIL 101.3 \$, Pugh, p. 39

KJJO Flirting with Howard Stern Sound-Alikes? A Review of the Magnum/Dynalab FT-101 FM Tuner

May, 1987

This Canadian-made tuner's outstanding virtue to DXers is its selectivity. For years, I have used as my main receiver a Fisher 500TX, bought new in 1969. The Fisher still works fine, thanks to excellent maintenance given it through the years by fellow WTFDA member John Ebeling. I stuck with the old Fisher, even though newer tuners and receivers have come and gone, mainly because of the old set's selectivity. Lately, I've had chance to become a dealer for Magnum, with the opportunity to test an FT-101. Why I decided to keep that tuner and use it as my main DX instrument is the subject of this article. My work with radios, tuners and receivers in connection with FM subcarrier modifications has given me an opportunity to compare a variety of them side by side with the old Fisher. Included in the group are Akai, Heathkit, Kenwood, Magnavox, Marantz, NAD, Panasonic, JCPenney, Pioneer, Project One, Raymer, Realistic, Revco, Rotel, Sansui, Sanyo, H. H. Scott, Sears Roebuck LXI Series, Sherwood, Sony, and Technics. Of course, I have not tested all models in those brands, and some of the finer tuners like Carver and McIntosh are missing from the list.

The FT-101's published specifications are interesting. Usable sensitivity is 8.8 dB or 1.5 microvolts mono, and 11.2 dB stereo. I don't know how that compares to the Carver, but I know that a weak signal will appear in stereo on this set sooner than it will on the Fisher. I find that feature helpful, not in listening, but just in identifying which stations have stereo (when they are weak) for my Atlas and FMedia! Selectivity alternate channel is 83 dB narrow, 50 dB wide, and this company actually prints the adjacent channel (200 kHz) selectivity figures: 8 dB wide, 20 dB narrow. I know the 20 dB figure is probably lower than for the McIntosh MR78, but for my purposes I find it entirely adequate.

Shortly after I got the FT-101, I learned about new call letters for Clinton IA 96.1. KLIO had been a mono gospel station, and I wanted to be able to learn if it had embraced stereo and changed formats. The FT-101 did it thing nicely, as it brought in KLIO (after a little patient fiddling with the antenna rotator and some waiting for the right conditions) clearly with ID and stereo indication. This is a station between powerful WJMC-FM 96.3 Rice Lake WI and WLKX 95.9 Forest Lake MN, both in the direction of Clinton, and impossible to tune in on the Fisher. I devised a switching system, so I could instantly compare the tuner sections of both. The audio from the Magnum tuner played through the Fisher's amplifier. The Magnum told me KLIO had stereo when the received signal was only slightly higher than the threshold for audio to be heard, and mono-stereo switching within the tuner was gentle.

It did slightly better than the Fisher on a sensitivity test, on KCTN 100.1 Garnaville IA, a DX frequency in the clear at the time. But that is comparing this tuner with a Fisher which had been recently peaked for top sensitivity by John Ebeling; I am not sure if the Magnum's sensitivity could be improved on by peaking.

The list price of this tuner has increased, but my catalog shows it at \$470 plus \$8 shipping. I believe I can obtain demonstrator units even cheaper for DXers, and possibly other dealers can, too, if you state that you want a demonstrator. Magnum assures me they do have demonstrators in stock. It is an expensive tuner, compared to those of the recent past, such as the highly touted Sony ST-5130, and possibly the Onkyo. The FT-101 will far outperform the ST-5130 on selectivity, but I do not know how it would compare with the Onkyo or Akai, which I know some DXers prefer.

It has the advantage of the older Akai in being analog tuned, but offering digital frequency readout. A club member who has one is Al Ellis, Brantford ON, and he has it



FT-101 Digital/Analog Reference FM Tuner

connected to a massive rotating antenna on a tower that looks like the Eiffel (or so it seems). "CKDS Hamilton with its rock-crushing 100 kw on 95.3, then Oshawa on 94.9 with 50 kw and on 95.1 Bristol Center NY with is 94.9 kw, just barely heard if you fiddle with antenna and listen hard...So the unit is working, and is accurate as to frequency—something not all digital equipment can claim." The digital numerals are large, green and easy to read, going up in increments of 95.3, 95.4, 95.5, etc. Three big meters occupy the front panel—multipath (which I find of no value here in northern Minnesota; it's almost always at zero), center tuning and signal strength. The meters and dial display are always on; it would have been nice if they'd been equipped with a switch to turn them off, like my Panasonic shortwave radio has. This would save on light bulbs and LEDs. One panel light burned out, and a replacement quickly sent, along with directions how to make the installation. Since the set is under warranty, I am sure the company would allow return shipping for such a job, if the user were not technically capable of soldering in a new light.

My criticism of this tuner includes its relatively poor spurious signal rejection. It may actually be worse than the old Fisher, and not as good as the Sony ST-5130. Image rejection is given at 75 dB, not the 90 to 100 dB claimed in state-of-the-art tuners of today. This is something Magnum should give attention to in the future as it upgrades its line. The tuner is best used by DXers in congested metropolitan or rural areas, not those living close to local antenna farms. The digital readout of station frequencies is fine, but for normal listening, a station memory system would be nice, with, say, a dozen presets. One thing I like about the old Fisher 500TX is that it has four FM presets, plus complete analog handling of station dialing. A possibility for making tuning easier on the Magnum would be a smaller tuning knob. Then a person could dial across the band quicker; it's something that I may change.

Finally, from a service standpoint, the owner's manual is very sketchy, talking more about FM reception and antennae than about the tuner itself. A block diagram is

FCC-FM

included, but no schematic, unlike H. H. Scott, which supplies a complete schematic with the tuners they sell. I have asked for a schematic, and never received one. I guess the company is concerned about people copying the circuit, which looks like it has relatively few components, as you can tell after removing the cover and looking at the spacious, but well-laid-out interior. Curiously, the resistors, capacitors, etc. are not numbered on the circuit board, and to remove the circuit board takes an unusual Canadian screw driver, that is somewhere between the slot blade and the Phillips head in its configuration. Magnum sent me a very nice screwdriver set so that I could get into their equipment better, but I know this could be a problem to people in this country who had to repair such equipment.

Remember this is an FM-only tuner, no AM included, and on its back it has two pairs of output jacks, one high level and one low level. Thus, you should be able to play it into any kind of amplifier. Antenna input is a 75-ohm jack, with balun supplied. I added to the front panel a headphone jack, so that I can take it on DXpeditions without having to use an amplifier and speakers. My next project will be a stereo volume control to attenuate the volume of the jack, since there is plenty of volume, and no headphone jack amplifier would be needed. Both the front and rear panels have space for adding jacks and extra switches, but it is made of tough steel, and you need really sharp drills to go through the material! That also says something of the quality construction of this unit. Front panel controls include selectivity wide and narrow, AFC on off, stereo-mono, muting on-off, and power on-off. The switches all look like Radio Shack's black bat-handle switches, so when I installed two extra switches, I went to the Shack and bought ones that matched.

DXers would do well to consider the Magnum/Dynalab FT-101 tuner. I expect to have mine on hand during the convention, and if other DXers bring their tuners or receivers along, we can try some side-by-side comparison testing.

Baltimore-Washington

Here's Gus Mancuso's contribution, the latest in a series of FM station histories from different cities.

1965	1975	1985
92.3 WSID-FM	WLPL	WYST-FM
93.1 WFFM	WPOC	WPOC
93.9 WRC-FM	WKYS	WKYS
94.7 WJMD		WLTT
95.1 WRBS		WRBS
95.5 WPGC-FM		WCLY
95.9 XX	WISZ-FM	WWIN-FM
96.3 WTOP-FM	WHUR	WHUR
97.1 WASH		WASH
97.9 WBAL-FM	WYYY	WYYY
98.7 WOL-FM	WMOD	WMZQ
99.1 WNAV-FM		WHFS
99.5 WGAY-FM	WSAY	WGAY
100.3 WFAN	WGAY-FM	WOJY
100.7 WTR-FM	WBOOK	WGRX
101.1 WWDC-FM		WWDC-FM
101.9 WAQE-FM	WTOW	WLIF
102.3 WHFS		WTKS
102.7 WCAO-FM		WYV
103.5 WGS-FM		WGS-FM
104.1 XX	WSMD-FM	WXTR-FM
104.3 WTH-FM		WXTX
105.1 WAVA-FM	WDJQ	WBSB
105.7 WCBC	WKTK	WQSR
105.9 WXRA		WVXK
106.5 WCBM-FM	WMAR	WPKX-FM
106.7 XX	WEZR	WMAR
107.3 WMAL-FM		WMKR, WMMX
107.9 WANN-FM		WBMW
		WRQX
		WFSI

Note: stations on 105.1, 105.9 and 106.7 are in northern Virginia; all others are licensed to Maryland or the District of Columbia. [I have record of WWIN-FM Baltimore 94.7, verified in about 1951; anybody with any earlier information on this market, please come forward with it—E.]

Gus says "feel free to add any omissions; this list mostly from old White's Radio Logs and memory. WAVA-FM was WABL in 1950s; others probably different, too, as WTOP-AM was WJSV in old days. Very few changes 88-92 band, contrasting with New York city. Programming changes on these stations could take pages to fill. Example: 106.5 (MOR to b, to pop, to new wave top 40 to easy-listening). Note: WGAY (FM), AM was WQMR for a few years; in mid 70s AM was sold and became WNTR. 102.3 (as WHFS) called self 'home grown'; only FM in DC never affiliated with an AM." [What about WASH 97.1; it was never affiliated with an AM, was it?—E.]

Also checking the above was Hank Holbrook, who found no problems with the listing. Hank would like the Atlas to include addresses, as the NRC does with its BCB log. "Broadcasting [Yearbook] now so expensive—I get it about once every 3 or 4 years and usually when I hear a new station I have to call long distance to get the address!" I have the '87 BY, and anybody can get an address from me by sending a reply postcard. Another source of addresses is being developed by Pete Nolan. His "33 Street Daybook" is \$55 from the M Street Database, PO Box 13653, Alexandria VA 22302, (703) 379-4275. I am not sure if there is a discount for DXers, but you might want to write and ask. This source will be listing, in computer printout form, such information as call letters, frequency, power, address, pending applications, on-air slogans, telephone numbers.

Supplying much of the stereo and other station news was Frank Merrill, who had a chance to go through his notes from a trip he took to AK and Northwest Territories.

KKRZ to become HLKKRZ?

AM not on way out. Eric Bueneamen again comes through in defense of the older aural medium: "Dr. Elving is wrong about AM's decline Nationwide, I feel that FM will begin its decline toward the 50% plateau before the 1980s are out. FM is at its peak right now, which leads me to say that Dr. Elving shouldn't have had his anti-AM article printed in Radio World at all!" If what Eric says is true, I am glad I lived now and enjoyed a taste of nirvana in this world, because the future to those of us who like FM looks bleak indeed! Anyway, he sent a bunch of station news from his area, including the first reported hearing of WRTS *89.5 Caloñia Ly any living human being.

Nick Lombardi sampled some of the print literature and sent an add about Dick Sequerra offering an FM-FM-SCA-AM-stereo receiver, the Sequerra Model II (write to R. Sequerra Assoc. Ltd., 15-26 215th St., Bayside NY 11360). I wrote that address almost a month ago and heard nothing; I wonder if this add, which was in the "Absolute Sound," is a ploy to try to discern if there is any interest in outlandishly expensive FM equipment? He also sent copies of mentions of my Atlas in Audio Amateur and FMedia! in Popular Communications. He reports that WVEV *91.5 Cumming GA is going strong with their 8800 h/v, directional signal in \$, at 25+ miles. I had confused that station with WMYV *90.7 McDonough, when I asked him to check which was on the air. He says WVEV not on, even at low power, "phone disconnected. I don't think they ever operated at anything close to full power."

Walt Breville sent a humorous article on the future of AM, saying "I think AM will recover. Not only because of my bias coming with enjoying AM DX, but simply the problems of FM reception in automobiles. I do grant that FM stereo is far superior to any AM reception in the home, especially using my Carver TX-11 tuner to clear up the multipath problems that distort signals from nearby transmitters, but in my car driving around, I find the noise bursts and muddy harsh mashing of the music as I drive by hills and high rise buildings so bad that I switch my Ford Escort's factory AM-FM stereo over to AM and enjoy music, even though most of the treble notes are removed and it's no longer stereo. Maybe if I replace it with a digitally tuned car stereo that has stronger action against multipath distortion I might develop a better attitude for FM. Right now, I'm looking at quite a few car stereos, reading test reports in the magazines, such as Audio, High Fidelity, Stereo Review, dreaming of a rig with good sound with minimum noise and yet a good DX machine on both AM and FM, one that receives FM stations without noise even in mono at much better than 30 miles from strong high transmission towers." I'd think Walt's criteria would not be difficult to attain; and with his local stations about to transmit from the local cemetery tower, his multipath situation should be cleared up. Some high points of the article include the carving up of the former United States into new territories. For example, OR goes to Korea, with HLKEX the main station. Mexico takes back its former territories, and XEBAP Fort Worth and XEKOA Denver are the main AM stations. Now you guess what country would be running the territories with these main stations: CHITX and CMWLV New Orleans, 4VAPE Jacksonville, while CBV relays are established on 830 in Minneapolis, 710 Duluth and 570 Yankton. Japan, which takes over CA, could change KFI's calls to KJFI.

Alan Almond is out at WCSX (formerly WJJC 94.7) Birmingham AL, but nobody knows (or cares?) where. "This station changed supposedly because a former DJ team could not be returned from a Chicago station," says

Robert Grant. "This is the worst excuse for a format change I have ever heard—first, personalities have proven to be relatively unimportant to a/c stations; and second, they should have tried to develop new air talent. Also, I could not imagine a worse choice for a format change in this market. There are now (including WCSX) five stations in the area with rock-era oldies as the base of their format, whereas three years ago there was only one. As an re-oriented station, it faces more competition than a 'hit' oldies station would and the 94.7 dial setting is almost the 'pop' neighborhood of the FM dial (WNTM, WLTI, CKLW-FM, WCSX, WCZY, WHYY). If I were a p-d, this would be either top-40 or all news. RG projection: WCSX summer '87 ratings to be less than 2.0....

"As for Eric Bueneman's comments (Big AM Comeback), I think he offers optimism without any logical explanation. It's all down from here (barring a miracle), but I am sure that even at the worst, AM will still be around in 2000 as a religion and propaganda band that almost nobody will care about, much like the IBC bands today (I doubt that the band will be reallocated).

"If AM does 'die', it will have died the same way John F. Kennedy and Martin Luther King did, murdered by bullets fired in the 1960s (considering anti-stereo and anti-night rules as 'bullets'). The NRSC voluntary standard is a disaster. It is neither a good long-distance system nor a high fidelity system—nor a compromise—the result is as much interference as hi-fi and sounds about the same as 5 kHz low-interference. I make my statement based on the nature of interference in the field and the acoustic physics of the air in the human ear canal. When you were at the WFTDA convention last year, you briefly saw my MFFM draft, and mistook it for an idea to reallocate the ILS band to broadcasting. False, the numbers from 108.1-131.3 are 'dial-settings' much like channels on TV." As I understand his proposal, AM would be the same band but propagated at different angles to minimize interference between stations, and numbers would read in channels like 108.1 to 131.3 to give people the idea that the AM stations found thereon were FM stations, and I suppose people's tuning dials would be continuous to help achieve this deception.

John Jefferson helps to answer my question following reader W. R. McIntosh's claim (March VUD, p. 10) that a few years ago there were many commercial classical music stations in L. A. "In 1960, they were KFMU 97.1 (Heritage network) and KCBH 98.7 Beverly Hills. The latter was cb or cm, with serious classics about 3% of the day, and non-classical otherwise. As for claims KFAC-FM has degenerated, that hardly seems possible! In 1960, Carl Princi stoutly defended their policy of continuing a symphony from one day to the next because it wouldn't fit his 1/2-hour AM-FM stereo program. (Anyone for cutting the Mone Lisa into enveloped pieces so she can be shipped easier?) Their daytime programs were all of the 1/2- or even 1/4-hour variety. With 1 minute of theme fore and aft, a couple minutes of commercials, and a couple PSAs, you figure out how many serious classics they worked into the 1/4-hour segments! It should be noted that KFAC apparently did improve notably after KFMU and KCBH (and I) departed; it sounds like they've now reverted to the bad old ways. After several visits to southern California, I earnestly urge classical fans in LA to get a good tuner and antenna and go after KFSD 94.1 San Diego and KDB-FM 93.7 Santa Barbara. I'd happily trade KHHI-FM 95.7, KDFC 102.1 and KOED-FM 88.5 for either."

Dave Nieman sent a copy of the "MAF" TV-FM DX bulletin from Spain. Some of that

kind of stuff I will have here at the convention for people to pick up, read, and take home if they're interested. Others who come are encouraged to bring reading material to share or exchange.

Keith Pugh receives the WBQM 91.7 Decatur AL translator on 106.3 in Huntsville. "I can only get it on my car radio down the road from my house. Tried for it on my beam at home, but can't pull it in over WBTG Sheffield." That probably means the translator is vertically polarized, while Keith's beam is horizontal. He hopes soon to install a Stereo Probe 9 for DXing atop a CM rotor. "It'll be nice to DX without having to run out to aim that Archer 6-element."

W. R. McIntosh sent a bunch of goodies, and says that KUSC #91.5 now IDs as: KUSC Los Angeles 91.5. . . . KSCA Santa Barbara 88.7. . . . KCPB Thousand Oaks 91.1 FM. Included were or was the Radio-TV highlights from the LA Times, and an article on Taft broadcasting being bought by the founder's son, Dudley S. Taft. Taft holdings include 12 TV, eight AM and nine FM stations, including CA's KQVR Sacramento. Sale is for \$1.34 billion cash. A People-type article was included about Ruth Hirschman, building quite a power base as the manager of KCRW #89.5 a Monica. She's from New York, and even reads the NY Times on a daily show. She has "become a major power in public



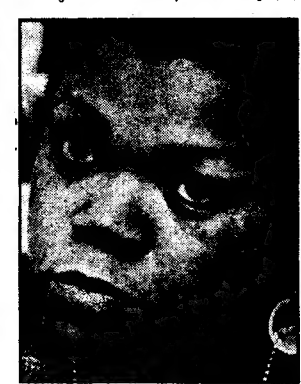
Hirschman reads New York Times on KCRW (FM)

broadcasting, earning a reputation as a low-key but effective lobbyist. Two years ago, she rallied other stations around the country to save the weekend version of NPR's 'All Things Considered' from the budgetary ax. . . . Just three years ago, KUSC was the undisputed leader among public radio stations in southern California. Today, KCRW is quickly closing the audience gap and is way out ahead in fund-raising. Recently, KUSC took in \$210,000 in pledges in a week's time; KCRW brought in \$595,000 over 10 days." Divorced from Jack in the 1970s, one of her two children, David, 26, died in her arms five years ago of leukemia. "For someone to die in the middle of their youth is extraordinarily painful. That's not to be worn as a badge. But it does become part of your soul. It's not to be discounted. It's not to be highlighted, but it does become part of your life. Everything you do is touched by it."

Mc also sent a critical article on KTWV 94.7, "The Wave," and some letters to the editor about it, including this from Barry Cockerham, Northridge: "It is unclear how anyone could feel that a Muzak station (KTWV, The Wave) could replace a music (KMET) on 94.7 FM. Maybe it's a setup, like the Coca-Cola

strategy against Pepsi. Within four months, the consensus should be in, that KTWV is unlistenable. KMET can then return to the air as 'K-Met-Classic.'" A final article Mc sent is on "shock radio," the kind of thing Howard Stern is doing on WXRK 92.3 New York and Bob and Tom are doing on WFBQ Indianapolis. Other d-j's going in for sex talk (some call it "humor") are Carolyn Fox, WHJY Providence RI (one of the few women doing it), and J. C. Corcoran, who was fired by KSHE Crestwood-St. Louis MO. His firing said to be more a matter of a contractual dispute than management's not liking his on-air style. "To work with someone like J. C. you have to be ready for the experience of a lifetime, said KSHE manager John Beck, "but we were very supportive of him. We believe in radio that's controversial—that's what makes it exciting. I can remember where J. C. played around with a news item about a priest who had been charged with molesting young boys, which raised a big ruckus in a town like ours, which has a big Catholic population. But I thought his material was hilarious, even if it was tasteless. . . . We never reprimanded him, even when our own station owner was upset about certain jokes." Meanwhile, DIR broadcasting has stopped syndicating the Howard Stern show, claiming poor sales, but critics are pointing to problems with anti-pornography groups and an FCC about to censure such broadcasters, under pressure from the religious right, many of whom have supported financially the Reagan administration.

John Ebeling: "I see the Adolph post office burned a few weeks ago. I supposed as an interim measure your mail addressed to Adolph is being routed to Duluth." Not quite, it was sent to Proctor for a while, now goes into locked boxes outside the former Adolph store, which will be rebuilt. And John sent quite a long article on dissent at KMOJ #89.9 Minneapolis, where the board let Jeanette Cotton go. Cotton virtually started the gospel,



Jeanette Cotton

jazz, blues and soul station, but came at odds with the station's board. She saw it grow from a 10-watt to 1000-watt station and embrace stereo. Cotton said she is unemployed, "although she does psychic readings and is trying to put together a new business she wouldn't describe for fear of harassment by opponents in the KMOJ dispute."

William R. Hepburn sent a map showing new place names in Canada, which will be in the next "FM Atlas." He writes: "I do the vx broadcasts on 94-FM (aka CJSD) Thunder Bay every other day or so. When I answer the phone they usually say this is CKPR-FM calling for the weather. Almost all of the DJs do this, so much

for call letters. Their official call letters are CJSD-FM, but they never use those letters on the air, just 94-FM. Their studio is co-located with CKPR-AM. I find it pointless to bug them about this. After all, what's the difference between using a bunch of letters or a slogan anyway. Nevertheless, they could use something more imaginative than 94-FM, maybe "Thunder Radio" or something else that would make ID easier. As long as the location or some other identifying factor is given, I don't see why DXers should have any problem with nonIDs. CBQ 800 does use its call letters, but does not mention the calls of its FM relays CBQY, CBLA and CBCH. They all ID as "CBQ Radio." CBQX 98.7 Kenora and its relays CBGS, CBUT, CBQH, CBOL, CBON, CBOP, CBEA, CBOU and CBQV ID as "CBC Northwestern Ontario." CBQJ 96.1 Timmins and its relays ID as "CBC Radio 96.1 Timmins" although programming originates from CBCS Sudbury.

"With the way CBC budgets are being cut, it's hard enough just keeping the Thunder Bay studio from closing, not to mention separate automated transmitter IDers for each station. The CBC assumes that the folks in Pickle Lake know that the CBC station they hear on 105.1 is broadcasting from around Pickle Lake, so why pay big bucks to install equipment just to tell them this once an hour? In the more populated areas down south with a congested 'F' band, I do see the possible need for some local ID." It is frustrating for me to DX CBC stations, and I usually ignore them, as one day I got 90.1, probably Atikokan, and all they said was "CBC Radio in Northwestern Ontario." I guess my only hope of ever IDing any of them is when a new transmitter is being installed, and the engineer comes on and speaks in ID. John Ebeling thus heard CBOT Fort Frances give such an ID when it was first testing. The French CBC stations are much better. I hear CBON-20 89.3 Thunder Bay quite often say the CBON calls, and am assured they give an ID mentioning Thunder Bay once each two hours. I also have received CJSD and CBQ-FM before they quit ever announcing proper calls, so do have them in my logs, which I would not consider doing for a station that has calls but refuses to use them.

An FM Atlas reader would like the complete set. He is only missing the Third edition. If you have a copy of this book, and it is in mint to very good condition, please write me and ask what you'd want for it. I will pass the word on. I only need one book, so if I hear from several of you, I'll have to decide who I'll buy it from.

Speaking of Howard Stern, as I did above, RadioPhiles magazine last month had quite a story on his WXRK 92.3 show. It included an actual dialog with Stern and some minor characters at the station during his morning show. Broadcast included some explicit (and anatomically correct) language discussing the elimination and reproduction systems of a horse, and how such system(s) could be transplanted onto a male human. His discourses would probably make good public radio (or late night SCA talking book for the blind) copy, and as read on the printed sheet, seemed innocuous enough, but the inflections while speaking might render the interpretation to a listener entirely different.

John Lentz thinks "Milwaukee radio is in trouble. WRKR-FM changed its call letters and format. The new calls are WHBT, and it leaves out Racine, except at the top of the hour. The AM is still WRKR, simulcasting WHBT FM. I suspect they are awaiting approval to change their AM calls. . . . 'KQ-92' is the other one in Racine. Formerly WFNY, they changed their calls in January. WHKO, located at 92.1, has a legal ID at the top of the hour only. Otherwise through the hour, it's just 'KQ-92.' The format is hit music."

Now I have space for one more dial history, this one from OR.

Portland (OR) FM History Compiled by John M. Adams

	1951	1961	1971	1981	1987
89.1	XX	XX	XX	XX	*KMHD
89.3	XX	*KRRC	*KRRC	XX	XX
89.9	XX	XX	XX	XX	*KBPS-FM
90.7	XX	XX	XX	XX	*KBO
91.5	XX	XX	XX	XX	*KOAP-FM
92.3	KEX-FM	XX	KLIQ-FM	KGON	KGON
93.7	XX	XX	KPDQ-FM	KPDQ-FM	KPDQ-FM
95.5	KWJJ-FM	KGMG	KXL-FM	KCNR ¹	KXL-FM
97.1	KPFM	KPFM-FM	KKOK-FM	KUPL-FM	KUPL-FM
98.5	XX	XX	KJIB	KJIB	KWJJ-FM
100.3	XX	KQFM			KKRZ
101.1	KOIN-FM			KLLB ²	KYTE-FM
101.9	XX	XX	KINK	XX	KINK
103.3	XX	XX	XX	XX	KKOW
106.7	XX	XX	XX	XX	KMKJ ³
107.5	XX	XX	XX	*KRRC	*KRRC

¹KCNR-FM early '80s. ²KYTE-FM early '70s; KRCK in mid-80s. ³KQIV mid '70s; KMKJ-FM mid-80s.

Main reference: Oregon Blue Book, 1951-52, 1961-62, 1971-72, 1981-82.

Jupiter FL 96.7 has "probably" had more call changes in the past several years than any other station, claims Eric Fader. He points out, since 1980, its going from WCEZ to WYSL, WKTO, WIXI and WXSX, five sets of calls in seven years! Anyone wants challenge that record? And Eric sent in some connections to the Miami station formats, reported this month and last. He also analyzed Billboard's Hot 100 and "urban" playlists, so that fine tuning of various stations with s, r, sr, or rs could be done. Pete Nolan comments on the same thing, centered on KPWR 105.9 Los Angeles. "Part of the confusion deals with rather arcane arguments over chart methodology, but the upshot is that KPWR is trying to avoid the 'signs' of being labelled a station that plays black music (even though that's precisely what it does), fearing that such an image drives away potential advertisers. This is one of the few cases where R & R magazine is actually showing some backbone rather than caving into a broadcaster's attempt to distort reality (though Billboard's already given up the fight, and R&R is about to). It's really the same syndrome as a CHR station calling itself 'adult contemporary' in publications like Broadcasting Yearbook and SROD—which hundreds do—in order to fool advertisers and agencies who don't look at their ratings books carefully into thinking the station has a more 'attractive' audience. The difference is that instead of being agist (in the case of CHR vs. AC) this time the station is racist. KPWR also refuses ads for black-oriented products (e.g., discos or hair care products) that run on other L. A. stations (including ones that aren't particularly black-oriented)." Pete thus provides a major reason why this publication should try to avoid stations' self-descriptions of formats, since they can be intentionally inaccurate.

Ralph Strobel sent a tape of several low-powered educational FM stations he's received, as well as some recent skip. Some of the station info is given in this column. Andy Bolin wrote him that Kankakee 92.7 is real strong, and I just checked BY '87 and WLRT's listed as having stereo.

This kid is Charlie Henneman, student station manager of WRUR #88.5 Rochester NY, still about 17, not yet having moved to 20 kW, for which they've had a permit for years. Jeff Kruska, a U of R alum, sent this. Washington DC ratings: WKYS 93.9 tied with WMAL AM; then WGAY 99.5, WAVA 105.1, WHUR 96.3, WMZQ 98.7, WWDC-FM 101.1, WOJY 100.3, WTOP AM, WLTT 94.7, and so on. Piece that into the DC station history given a couple pages ago.



Tim Benko is one of those who filled in the missing pieces on my NY FM dial history, presented by Richard E. Berg-Anderson. The missing NBC news calls were WNWS. "All the NBC O&O FMs were chosen to run the ill-fated format, except WJIB Boston and WKYS-FM Washington DC. Since NBC at the time of the inception of the format also owned WRC AM Washington DC, which was an all-news station, it would have been foolish to put it on their O&O FM station there. And, since CBS had WEEI AM in Boston running all-news (as is standard with all CBS O&O AM stations), they probably would have lost their shirts in 'Bean Town' as well." NBC's News and Information Service FM stations, in 1975, were WNWS 97.1 New York, WHIS 101.1 Chicago and KNBR-FM 99.7 San Francisco.

"Not being a fan of all-news radio, I ignored WNIS FM Chicago with pleasure; After they found out they couldn't make any money with the format, NBC then changed all of the O&O FMs to their current call letters," as stations like WNIS evolved into WKOD, now "Q-101" with a "CHR format and also an adult-contemporary format," and off the automation kick, having dropped all-night automation some 1 1/2 years ago. Their AM, known as WMAO, dropped its country format and is all talk, except midnight to 5 a. m. The current WNWS is an AM in Miami FL; its WFUN calls having gone to an AM in Astabula OH.

Tim mentions also that "Z-95" in Chicago and "Z-100" got WYTZ and WHTZ in trouble with Zenith Electronics, and both stations had to redesign their logos. "There's a 'Z-95' logo on the cover of the March, 1987, VUD; check it out."

Dave Nieman sent an article on Buffalo radio stations generating big profits for owners. Sales prices for Buffalo stations have not been as high as in comparably sized markets because Buffalo is not a growth area, and the article dwells on format changes at 96.9 and 98.5 Buffalo in recent years, along with their call letters' changes.

Finally, Phil Boersma sent an article on a new FM station on 92.7 to be licensed to Saugatuck MI, which will be "beach-oriented," serving Holland. Phil muses that the "format will be some kind of rock."

More details on Natalie McClendon's "Go Public, the traveler's guide to non-commercial radio" (see VUD April, p. 12). Buy a copy at \$12.95 plus \$2 shipping from Wakarobin Communications, 611 N. 26 St., Lincoln NE 68503; it has maps and is over 200 pp. full of detail; quite an attractive publication.

73ily, 

NORTHERN FM-DX

Joseph Fela
150 Robert Place
So. Plainfield, N.J. 07080
1-201-755-3852

MAY 1987

Deadline: 8th of the month

A good showing this month for reports, especially when one considers that there hasn't been any really good openings so far this Spring. There were a few minor coastal trop openings in late March but then the rain and colder temperatures returned.

DAVE NIEMAN - AKRON, NEW YORK - 14001-9529

Equipment: unchanged. All stations are new.

MARCH 1987

16 Tr
0906 WSCP 101.7 NY Pulaski, call into nx
and wx, \$ (WBTF having problems) 116
17 Tr
1132 WAYZ 101.5 PA Waynesboro, call, k\$ 227

MARCH 1987

26 GW
0859 CIRV 88.7 ON Toronto, ID, e mono,
"SERV INTERNATIONAL" 64
0954 CIDC 103.5 ON Orangeville, ID,
(TESTING) "DC-103" 106

Little to report this time. I haven't heard any of the morning trop buildups that are common this time of year. The new station in Orangeville, Ontario that's testing was not expected. I've been checking more for the new one in Toronto on 97.3. CIDC plans full operation by late April (around Easter). But they have been playing music and running an ID about every 15 minutes 24 hours a day since I first heard them. So they are out there if anyone can hear them.
Dave.

BILL NOLLMAN - BOX 184 - RFD #1 - BOZRAH, CT. - 06334

Equipment: Carver TX-11A tuner, Realistic STA-740 receiver,
Channel Master Stereo Probe 9 antenna 33 feet above
ground mounted on CM 10' Tripod, with CM HD9515 Heavy Duty Rotor.

FEBRUARY 1987

25 Tr
2110 WCFR 93.5 VT Springfield 125
26 Tr
1538 WBPM 94.3 NY Kingston 100
1550 CJFM 94.3 PQ Montreal 290
1553 CFMO 93.9 ON Ottawa NEW PROVINCE!! 325
1632 WHYR 93.5 ME Saco 160
27 Tr
1640 WHRL 103.1 NY Albany, "STEREO 103" 120

MARCH 1987

1 Tr
2033 WQCB 106.5 ME Brewer, "Q-106.5" 275
2144 WSCB 89.9 MA Springfield 50
6 Tr
1636 WSCG 93.5 NY Corinth 150
1647 WIBQ 93.5 NY Remsen 195
1715 WFMZ 100.7 PA Allentown 190
7 GW/Tr
2016 WFAL 101.1 MA Falmouth 80
9 Tr or MS
0048 WBYR 107.7 NY Wethersfield, "Buffalo's
Bear" - not sure if MS or Tr.
(If it lasted several minutes with a
reasonably steady signal, Tr. MS bursts
are generally quite short. On very long
MS bursts, the signal is very
fady/unstable. Hope this helps -jf) 375
9 MS
1210 WSHW 99.7 IN Frankfort 750
9 Tr
1300 WKGL 92.7 NY Middletown, "92ROCK7" 120

MARCH 1987

10 Tr
1030-1130 WLHV-93.7 Hartford - Carrier
ON but no modulation!!!
1058 WKXZ 93.9 NY Norwich, "KIX-94" 190
11 Tr
2135 WDA5 105.3 PA Philadelphia
NEW FREQUENCY!! 190
2151 WEVD 97.9 NY New York
LAST EMPTY FREQUENCY!! 120
ALL 100 FREQUENCIES FILLED!!! THE LAST
TWO BOTH IN ONE HOUR!!!
12 GW
1956 WMNR 88.1 CT Monroe 60
16 Tr
2048 WBGW 97.1 ME Bangor 280
21 Tr
0342 WSEN 92.1 NY Baldwinsville/Syracuse 240
22 Tr
0338 WVLt 92.1 NJ Vineland 210
1842 CKOI 96.9 PQ Verdun 290
24 GW
0715 WFCC 107.5 MA Chatham. 50 kw
pre actual first broadcast playing
classical stuff and IDs every 15
min. Very good signal. Better than
WKPE or WJFK!! Actual inauguration
ceremony was at 12 Noon 3/24. If
anyone would like a copy of it, I
have it recd. Just send a tape with
\$1 for return postage. Entire cere-
mony was about 30 min. long. My rec.
of the ceremony was quite good... 115
0826 WJUL 91.5 MA Lowell
"UNDERGROUND RADIO" 90

Another super month of discovering the power of my Carver. Still nothing that can be considered amazing trop though I'm not unhappy with what I've heard so far. It is amazing how little I ever used to get to the north before. Now Maine, New York State, and Vermont are nearly regular nightly reception! With this report I have finally heard a station on every frequency with 103.1, 105.3, and 97.9 being the last three. I assume that hearing "Buffalo's Bear" I had WBYR, the mode is what puzzles me...

30

NORTHERN FM DX

MAY 1987

(Bill Nollman's report, continued...)

I have had WBYR by MS. That I was sure of but WUWU I'm not sure of. SHINE 99 was caught by having a tape recording all the time I'm listening. The trop of 3/21 and 3/22 was funny because I was listening for MS both times and ended up with trop instead! WFCC surprised me. I was lucky enough to hear their official commencement ceremony and even had a tape running which all are welcome to as noted above. Also, I have assembled an ID tape of skip and nearly all my locals. It was made mainly for Matt Sittel but if anyone else would like a copy send out a 90 minute tape and one dollar for return postage and I'll be glad to dub off a copy. All of the receptions from the past month were with the \$ Probe 9 at 23 feet above ground. On 3/23 I dared 50 mph winds and put up the tripod and the probe 9 now were at 33 feet and the difference is easy to hear! All locals and semis are much better receptions, luckily not to a point to bother the Carver. Weak stations are much more noticeable. NYC FMs are always there. WJUL is evidence of the new height. And WEQX, my personal Vermont favorite which never was much stronger than the noise was in real good last night. WRCN on 103.9 which could never break the overload from WERI-103.7 now can be listened to rather good!!! By the way, WERI is now "WRX" (WVRX) playing a mix of hard rock and oldies.

SCOTT M. HOOD - 7 AUBURN ROAD - BEVERLY, MA. - 01915-2501

SEPTEMBER 1986

We 10 Tr
2030 WCB5 101.1 NY New York 205
Th 18 Tr
0015 {WCDQ} 92.1 ME Sanford 63
Fr 19 Tr
1955 WCB5 101.1 NY New York 205
Su 21 Tr
2030 WCB5 101.1 NY New York 205
We 24 Es
1855 WRMF 97.9 FL Palm Beach 1300
1905 WEDT 99.1 FL Miami 1375
OCTOBER 1986
Sa 11 Tr
1945 WQVR 100.1 MA Southbridge
(ditto Su 12 at 1850) 68
2015 WHDQ 106.1 NH Claremont, "Q-106" 95
Mo 20 Tr
0725 WDRC 102.9 CT Hartford {oldies}
"THE BIG D, 103" 106

DECEMBER 1986

We 24 Tr
1600 WALK 97.5 NY Patchogue 170
JANUARY 1987
Sa 3 Es
2110 WJMI 99.7 MS Jackson 1350
2120 WGGZ 98.1 LA Baton Rouge
"An American Original, Z-98" 1475
2120 WYNK 101.5 LA Baton Rouge, k 1475
Fr 30 Tr
2000 WPXC 102.9 MA Hyannis, AOR
"PIXY-103", 1st day was Jan 9 69
FEBRUARY 1987
Sa 17 Tr
(at Logan Airport, Boston)
1505 WFAL 101.1 MA Falmouth, "101-FM", AC
MARCH 1987
Su 1 Tr
2040 WFAL 101.1 MA Falmouth 71
Su 22 GW
0945 {WVRX} 103.7 RI Westerly, AOR,
"103.7, WRX" 93

Tu 24 GW

0730 WFCC 107.5 MA Chatham 75
COMMENTS: Not much been happening in this neck of the woods. Other than the Es opening in early January (MS induced?), the most excitement around here has been the new Cape Cod stations signing-on (Need more excitement? A 102.3 for Cape Cod is in the works and there may be still another one after that, perhaps on 93.9 -jf).
Incidentally, those three September loggings of WCB5 are not typical. Normally, when a southern duct (NYC, Philly, southern NJ, MD, etc.) is blossoming, WHTZ and WCB5 are almost always the first to show up - like a DX barometer (even if NYC is not otherwise part of the duct), competing with semi-locals WHEB and WGIR (down in Franklin, WKDN-106.9 NJ was the indicator of serious DX). But most of last spring, summer, and the first part of the fall, WGIR appeared to be at greatly reduced power, thus allowing WCB5 to poke through when it normally wouldn't. That's all from here. 73's, Scott

WILLIAM R. HEPBURN - #18-62 WALKOVER ST. - THUNDER BAY, ON. - P7B 1L2

Equipment: Rcvr - JVC-R-330V. Antenna - indoor dipoles, 3rd floor, Archer in-line amps.

S = signal strength in db. ->All times EST<-

NOVEMBER 1986

28 MS
1901 KICT 95.1 KS Wichita (tentative)
(garbled calls u/KQDS-94.9 Duluth)

DECEMBER 1986

01 Tr
1933 WMFG 106.3 MN Hibbing 180
13 MS
2018 unID-107.7 S-35!
(strongest burst heard ever)
2256 WFMB 104.5 IL Springfield, S-10 590
2332 KKYK 103.7 AR Little Rock
(tent. - "??YK")
2336 unID-103.7 "Kicks-103" (KKYK ?)
2346 KPXI 100.7 TX Mt. Pleasant, S-10
("K-100" lite r/ATT hit mx)

DECEMBER 14 GW

1135 unID-91.9, S-55, pirate? EE trans-
lation over ethnic language. Church
sermon - suddenly disappeared @ 1221
JANUARY 1987
01 MS
1257 KZNA 90.5 KS Hill City (tent.)
"S. Ford St. in Garden City"
(does KZNA relay KANZ 91.5?)
MARCH 1987
05 Tr

2209 KEEZ 99.1 MN Mankato, S-15, Z-99 365
2238 KYSM 103.5 MN Mankato, S-20 365
2307 KFMC 106.5 MN Fairmont, S-20
("FM-106" Cont-hit radio) 415
->->-> CONTINUED ->->->

1095 31

08 MS
0500 KRES 104.7 MO Moberly 640
COMMENTS: It's a slow time of year so I figured I'd send in my FM-DX report albeit its small size. I have stopped logging any relogs under 315 miles (the apparent max GW horizon). The Minneapolis stations are actually becoming pests, hi. I came to Thunder Bay in Sept 86 for a supposed 1 year term, but it now appears I may be headed for Kingston. C-U-4-Now, Bill.

RALPH STROBEL - 106 E. DAVIDSON ST. - MUNCIE, IN. - 47303
Equipment: McIntosh MR-78 tuner, CM Stereo Probe 9 antenna @ 37 ft. w/rotor
OCTOBER 1986 (at old location)

1 MS
0859 KENW 89.5 NM Portales, prev. Es 1120
6 MS
2339 WHOT 101.1 OH Youngstown, prev. Tr 250
8 MS
0012 KZBS 98.9 OK Oklahoma City 780
17 MS
0133 WKLX 98.9 NY Rochester (see MS results at end of report) 500

NOVEMBER 1986 (New location w/dipole)
28 Tr

1800 WKOC 89.7 IL Kankakee, g\$, Ex-10 watts on 88.3 150

DECEMBER 1986 (w/TV antenna)
5 Tr

1548 WCVK 90.7 KY Bowling Green, g\$, o/WGLE 250
2000 WNFA 88.3 MI Port Huron 220

7 MS
0227 KVNE 89.5 TX Tyler, prev. Es 810
12 MS

0156 WHRO 89.5 VA Norfolk 550
0855 WUNYt 89.5 NY Utica 550
0859 KHKE 89.5 IA Cedar Falls, prev.Tr 410

18 MS (W/Stereo Probe 9 antenna)
0837 KVNE 89.5 TX Tyler 810
21 Es

1810 KKLS 93.9 SD Rapid City, ad 990
22 Tr

0100 WZRO 98.3 IL Farmer City k\$, o/WXIR 180

23 Tr
2129 KLUM 88.9 MO Jefferson City, s\$ 410
2138 KKCK 88.3 IA Cedar Rapids, j\$ (KCKK? - jf) 360

2225 WLRZ 100.9 IL Peru, AP nx, wx 215
24 Tr

0000 WTXR 94.3 IL Chillicothe-Peoria Hghts. k\$, "94-X" 230
0138 WSTQ 97.7 IL Streator, r\$ 200

0400 KMG0 98.7 IA Centerville, k\$ 405

JANUARY 1987
4 MS

0300 KENW 89.5 NM Portales 1120
6 Tr

0127 WKXX 104.1 IL Jerseyville, k\$ 300
13 MS

2002 WTEBt 89.5 NC New Bern 600
26 MS

2202 KVNE 89.5 TX Tyler 810
2206 WMAE 89.5 MS Booneville 450

MARCH 1987
4 MS

0200 KENW 89.5 NM Portales 1120
4 Tr

0759 WDSO 88.3 IN Chesterton r\$, 410 watts 125
1111 WKDS 89.9 MI Kalamazoo, r, SID, 140 watts 140

MARCH 1987

7 MS
0300 WKNE 103.7 NH Keene 690
0411 WKNE 103.7 NH Keene 690
9 MS

0202 unID-89.5, ??? (S/off?)

METEOR SCATTER RESULTS (1986)

Oct. 1 KENW "...and at 98.7, you're listening to KMTH-FM..."

Oct. 6 WHOT "...Jerry Starr, good morning..." (Didn't he move on to to WNRC-640? -jf)

Oct. 8 KZBS "...A recording of Neil Diamond on KZ..."

Oct. 17 WKLX "...WKLX...coming up tomorrow..."

Dec. 7 KVNE "...1:27 from FM-89 KVNE... coming up on 1:28 on this Sunday morning, December 7th, good morning. In that set of music we listened to..."

Dec. 12 WHRO "...Skies all over Hampton Roads, 38 degrees..."

WUNYt "...Chairman of the Drama Dept. at New York University..."

KHKE "...cast of the Waterloo-Cedar Falls..."

Dec. 18 KVNE "...33 degrees, it's 48 in 48 in Shreveport, and 52 degrees in Lufkin. Coming up after Family Forum which is next...broadcast affiliation with...is made possible in part from a grant from...products and teaching aids in Tyler..."

1987 RESULTS
Jan. 4 KENW "...Portales, NM, 88.1..."

Jan. 13 WTEBt "...Eastern North Carolina..."

Jan. 26 KVNE "...KVNE..."

WMAE "...FM Greenwood and WMAA..."

Mar. 4 KENW "...you're listening to KENW-FM..."

Mar. 7 WKNE "...1290 WKNE and FM-104 WKNE..."

WKNE "...KNE..."

Mar. 9 unID "...located at 3001..."

COMMENTS: Due to circumstances beyond my control, I was forced to move. I am 2 mi. SW of my old location. This move (on 11/1/86) will be permanent as I finally bought a house of my own.

I will forever be sickened that I had no antenna put up in late November for the outstanding opening everyone has been talking about in the VUD. Even with a makeshift dipole, reception was better than normal, but only found one new FM station.

-->-->CONTINUED-->-->

My 50 ft. tower was taken down and moved, but this time I had the man put up two TV antennas I had wanted for years. I now have a 7 ft. Channel Master parabolic dish as well as a Channel Master 1110. A 32 ft. tower was already on the property and my FM antenna is on it. I am ready for the next big opening, that's for sure! In the meantime, I'm looking for more meteor scatter IDs. I was able to ID 89.5 KENW Portales, NM because they have a dual ID with 98.7 KMTH Maljamar, NM. WHOT Youngstown, OH was IDed by the fact I know that someone by the name of Jerry Starr worked there. If you look in the Oct. VUD QSLs, note that Dave Nieman had a verification cited from WHOT in which Jerry Starr had verified his report. (If you attend the NRC Lima Convention this Summer, you'll be able to see that name in person -jf).

Dave Brumfield of Richmond, IN was able to ID a meteor scatter of mine. Regarding 89.5 WHRO Norfolk, VA, Hampton Roads is the inlet of water between Norfolk and Hampton, VA. Sure enough, I found it on the road atlas. 89.5 WMAE Booneville, MS was heard with a portion of their full PRM ID. The ID matches the 88.1 WMAW Meridian, MS ID I taped last summer due to close E-skip (believe they all use the same net ID which originates from the main studio. I have yet to see anyone report any of the PRM stations running ONLY their own call/location. -jf). On April 3rd, at 1615 hours, I had E-skip up to channel 3 for about 30 minutes. Channel 2 was SS, so a Mexican was finding my antenna. Happy DXing to everyone. 73, Ralph.



WWKI RADIO
519 N. Main • Kokomo, IN 46901
317-459-4191



WABD
106.6 FM
BOX 501
FORT CAMPBELL, KENTUCKY 42223

JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD, N.J. - 07080
Equipment: McIntosh MR-78 tuner, CM Stereo Probe 9 at 35 ft. w/rotor. ELT

MARCH 1987

9 GW/Tr
0045 Local WMGQ-98.3 off (but apparently left exciter on, as a weak carrier noted, in stereo, from their direction.)

0059 WQVR 98.3 NJ Ocean City, ID 89
23 GW/Tr

0045 Local WBLS-107.5 and semi-local WEBE-107.9 off. 107.5 was 100% WBYO PA (a day too early for WFCC!!!). 107.9 had a nice signal from WKKS MA, a decent WRRB NY, + the usual WFSI MD.

25 Tr
2100-2300 Many Norfolks in, fair/good

Also WQOK-105.7 NC ("OK-106/The Power Stn.") and WOCQ-103.9 MD very strong.

COMMENTS: I recently acquired a CADCO FM-SSL/75 antenna which, on paper, should outperform the SP9, particularly on its front-to-back ratio. However, in checking it out at ground level, I'm less than pleased by its performance (last year I had a 2nd SP9 set-up at ground level for E-skip, so a comparison can be drawn). I may leave it at ground level, for the E-skip season. It would be a major job to swap it with the SP9 on the roof because of the much greater weight of the CADCO antenna (as it is made for CATV use, it is built like a tank with solid screw in elements not to mention the a heavy twin boom to support them). 73, Joe

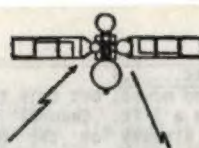
BANDSCAN DEPARTMENT;
FROM SCOTT HOOD -

FRANKLIN (MASS.) FM "DRY"

92.1 WMDK NH	95.3 WHRB MA	98.3 WILI CT	101.5 WLKW RI	104.5 WXLO MA
92.3 WPRO RI	95.5 WBRU RI	98.5 WROR MA	101.7 WFNX MA	105.1 WWLI RI
92.5 WLYT MA	95.7 WZID NH	99.1 WPLM MA	101.9 WCIB MA	105.5 WQGN CT
92.9 WBOS MA	95.9 WATD MA	99.3 WHMP MA	102.1 WAQY MA	105.7 WVBK MA
93.1 WHFM MA	96.1 WSRB MA	99.5 WSSH MA	102.5 WCRB MA	106.1 WCOD MA
93.3 WSNE MA	96.5 WTIC CT	99.9 WQRC MA	102.9 WDRC CT	106.3 WNEF RI
93.7 WCGY MA	96.9 WJIB MA	100.1 WQVR MA	103.3 WHTT MA	106.7 WMJX MA
94.1 WHJY RI	97.3 WJFD MA	100.5 WRCH CT	*103.7 WKNE NH	107.1 WOTB RI
94.5 WZOU MA	97.7 WINQ MA	100.7 WZLX MA	103.7 WWRX RI	107.3 WAAF MA
94.7 WMAA MA	97.7 WCAV MA	100.9 WTYD CT	104.1 WBCN MA	107.9 WKXS MA
94.9 WJFK MA	98.1 WMYS MA	101.1 WGRB NH		

* when WWRX is off.

SATELLITE NEWS



GEORGE W. JENSEN
4604 Annapolis Avenue
Baltimore, MD 21206-4220

Again - not too much new to report this month, mostly a few odds and ends. I would really hope that some of the bird watchers out there would let this observer know of any new services that they may come upon - especially in the area of audio sub-carriers. Your help is needed and much appreciated and necessary for the continuance of the column. My time for a lot of searching is currently limited.

The much talked about move of many services to Telstar 3 has been dumped. Current talk seems to center around a move to Galaxy 3 which is now home to several Home Shopping Club type channels - such as Sky Merchant and National Shopping. Random - one at a time - scrambling has been noted on the Denver menu on Satcom 1. X H T V was noted briefly (one day) on Morelos 1. This is channel 4 in Mexico City. Nostalgia Channel will Scramble using Video-Cypher II system shortly. Noted on Intelsat VA F11 at 27.1M are the following services, possibly using the West Hemisphere Beam -

- 10 - Venesolana de Television - Ch. 5 - Caracas, Venezuela
- 11 - NBC New - London, England
- 16 - ABC7 - London, England
- 22 - unknown using PAL system of transmission

What are the most watched services? - Broadcasting Magazine recently ran a list based on the number of cable subscribers. I will list the pay services first and I am sure that this is not a good indicator of dish viewers owing to the Scrambling controversy. Lists are in order from most to least watched.

Pay Services:

- H B O
- Showtime
- Cinemax
- The Movie Channel
- Disney Channel
- American Movie Classics
- Playboy Channel
- Bravo

Pay-Per-View

- Viewer's Choice
- Request TV
- Jerrold's Cable Video Store

Basic Cable Services:

- E S P N
- W T B S - now encoded using Video-Cypher system
- C N N
- U S A Network
- C B N
- M T V
- Nashville
- Nickelodeon
- Lifetime
- C-Span I
- Nick at Night
- Financial News Network
- Weather Channel
- Arts and Entertainment
- W Q N
- C N N Headline News

- Score
- P T L
- V H - 1
- Black Entertainment
- Tempo T V
- TelShop
- Home Shopping I
- Discovery Network
- W O R
- C-Span II
- Silent Network
- Learning Channel
- Video Shopping Mall
- Trinity
- Country Music T V
- Eternal World

That's all for now - see you in 30. Please send sub-carrier reports, I can't do this without your help. '73's

George

*** PUBLISHER'S NOTES ***

MINNESOTA WTFDA CONVENTION IS LESS THAN 3 MONTHS AWAY!!! IT'S COMING SOON...THE 1987 WTFDA CONVENTION, HOSTED BY FCC FM NEWS EDITOR DR. BRUCE ELVING. FOR THOSE NEW TO THIS HOBBY OR NEW TO WTFDA, BRUCE IS A LEADING AUTHORITY ON FM BROADCASTING, AS WELL AS PUBLISHER OF FMEDIA, AN EXCELLENT BROADCASTING INDUSTRY NEWSLETTER. HE IS ALSO THE PUBLISHER OF THE FAMOUS FM ATLAS (A REFERENCE NO SERIOUS FM DXER CAN BE WITHOUT) AND WAS AMONG THE FIRST TO TUNE THE BAND FOR DX, BACK IN THE DAYS WHEN DX CLUBS OFTEN REFUSED TO EVEN COVER FM DX! AN ANARC AWARD WINNER, BRUCE HAS BEEN ONE OF THE VHF/UHF DXING WORLD'S MOST VALUABLE ASSETS, SO THIS YEAR'S CONVENTION WILL BE ONE YOU SHOULD ATTEND! UPCOMING ISSUES WILL FEATURE MORE INFORMATION ABOUT THIS SUMMER'S WTFDA GETTOGETHER. WE'RE HOPING TO MEET YOU IN MINNESOTA--START MAKING YOUR PLANS TO BE THERE!!!

MONITOR SERVICE SEEKING TAPES MEMBER ERIC BUENEMAN'S GDXCI PRODUCTIONS IS LOOKING FOR LOCAL-QUALITY LEGAL AM, FM AND TV STATION AUDIO IDENTIFICATIONS FROM ND, SD, NE, KS, MO, IL, IN, OH, MI, WI, IA, AND MN ON CASSETTES FOR A PROJECT CALLED AMERICAN MIDWEST ON THE AIR. IF YOU CAN HELP, CONTACT HIM AT P.O. BOX 1202, FLORISSANT MO 63031-1202.

WHOOOPS! APOLOGIES TO RICH WERTMAN. LAST MONTH'S ANTENNA NEWS, ON PAGES 8 AND 9, INCORRECTLY LISTED HIS TELEPHONE. HIS CORRECT NUMBER IS (716) 434-3988, AS ON PAGE 10 OF THAT ISSUE.

--BILL THOMPSON

STATION BREAK

WTFDA H.Q.
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

WANTED - I'm looking for American DX-ers interested in exchanging C-90 audio cassettes with samples of FM RADIO STATIONS from U.S.A. for samples of Italian FM radio; here in Italy there are more than 2000 private FM stations! I also can tape an exchange VHS VIDEO cassettes, but I can't do it with NTSC, only with PAL SYSTEM B. Fabio Remondini - Via Croce Coperta, 17 - 40026 IMOLA [BO] - ITALY

FOR SALE - Satellite TVRO system with MA/COM decoder (will be deactivated); dish not included, \$795. Write Glenn Jacobs, RD 1 - Box 1508, Moscow PA 18444

FOR SALE - Old magazines: Forecast F.M., Billboard, Playboy, Penthouse, plus various X-rateds, Sports Car Illustrated (Car and Driver), Motor Trend, Motor Life, DC and MD teams' sports programs, esp. U of MD and ABA, Sports preseason mags., left and right wing underground newspapers, a few LIFE, LOOK, and Newsweeks. Write for specifics. Gus Mancuso, 5615 Inwood St., Cheverly MD 20785

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.